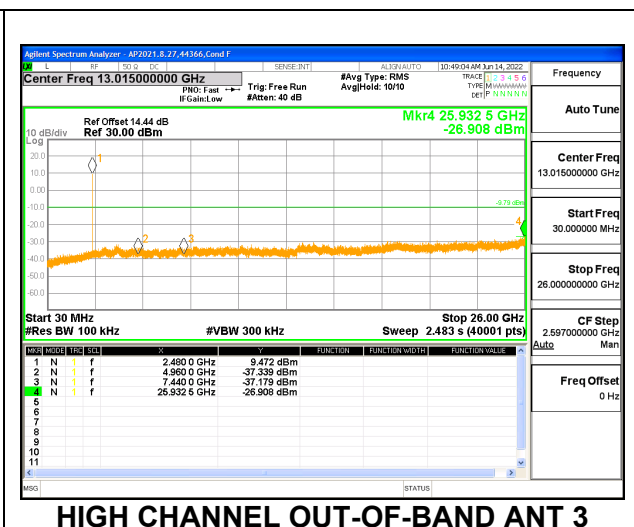
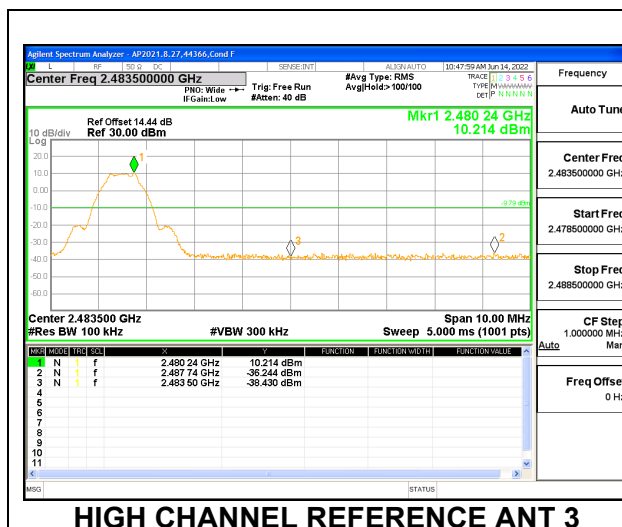
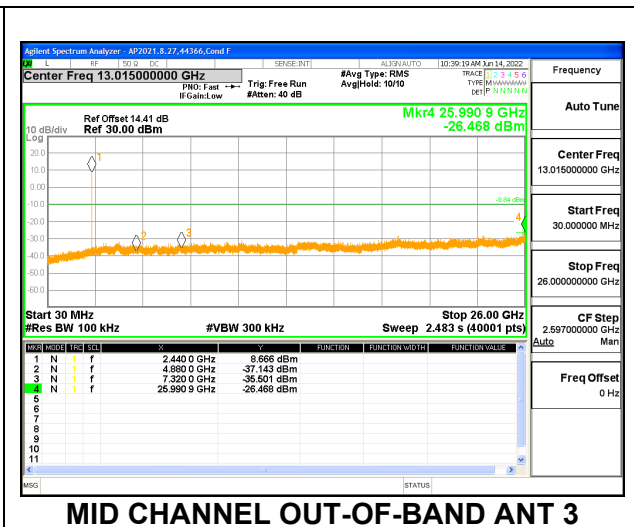
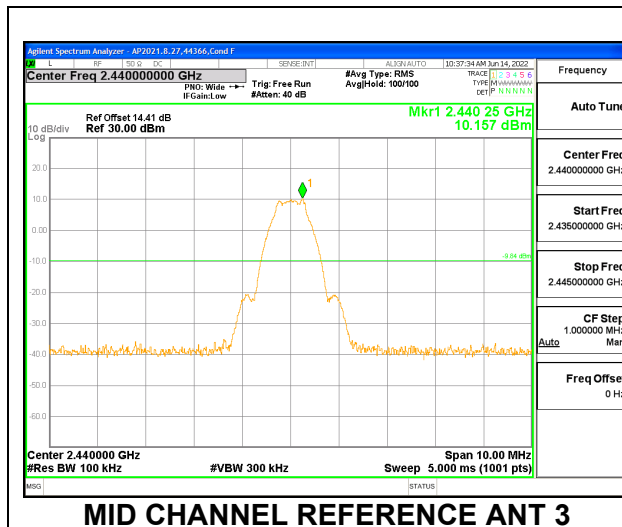
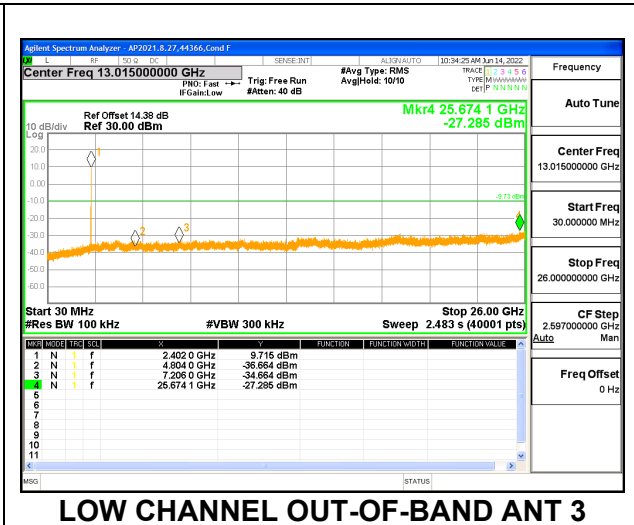
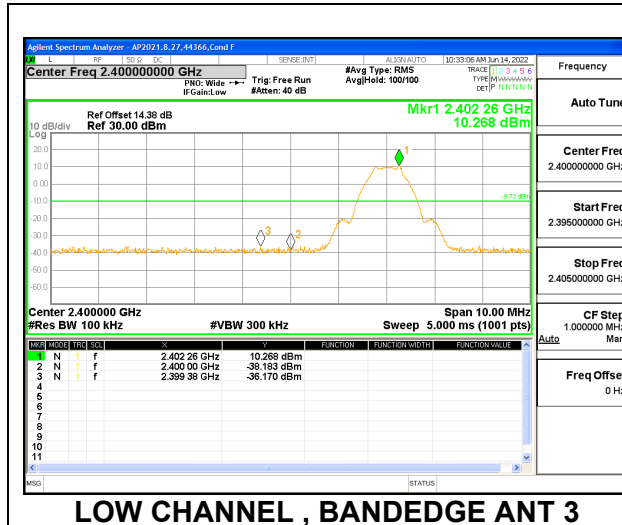
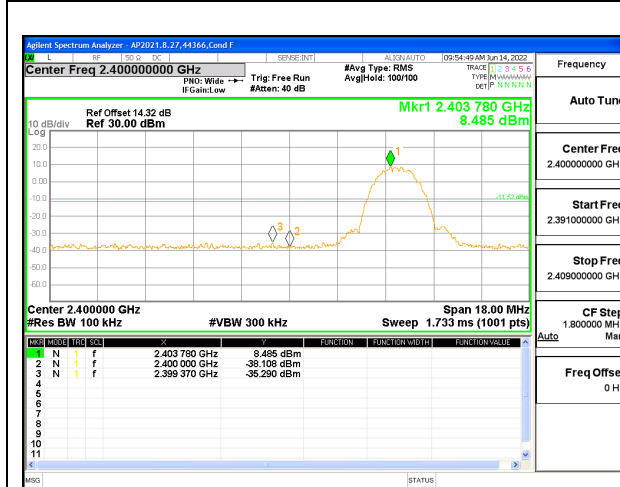


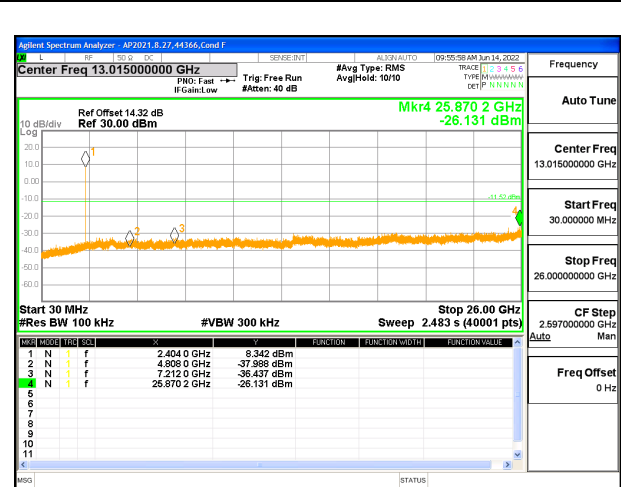
ANT 3

9.7.7. LOW POWER BLE (2Mbps)

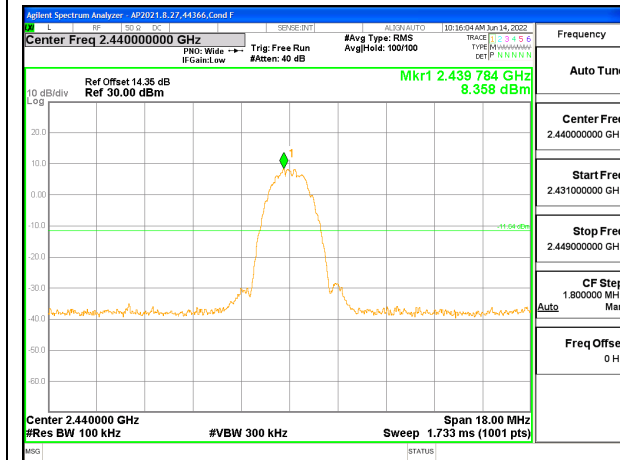
ANT 4



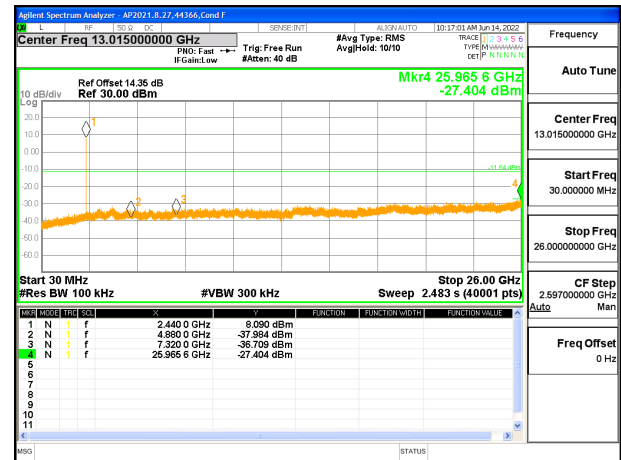
LOW CHANNEL BANDEDGE



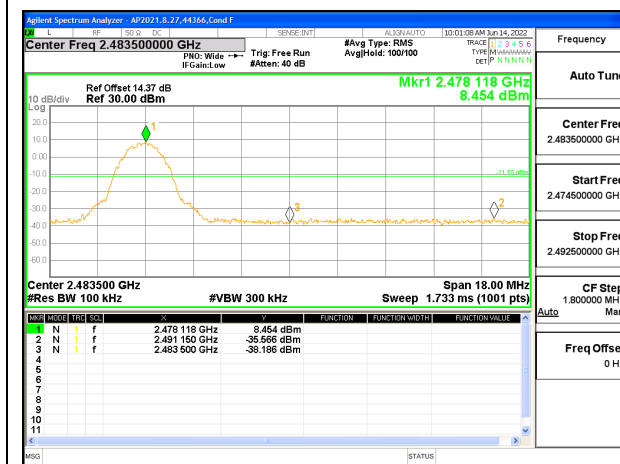
OUT-OF-BAND LOW CHANNEL



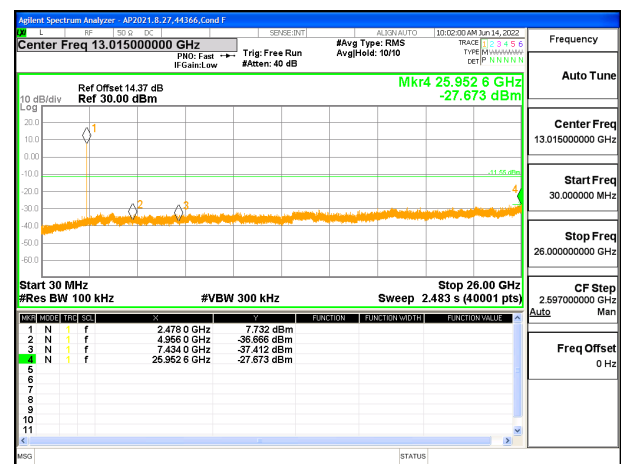
IN-BAND REFERENCE LEVEL



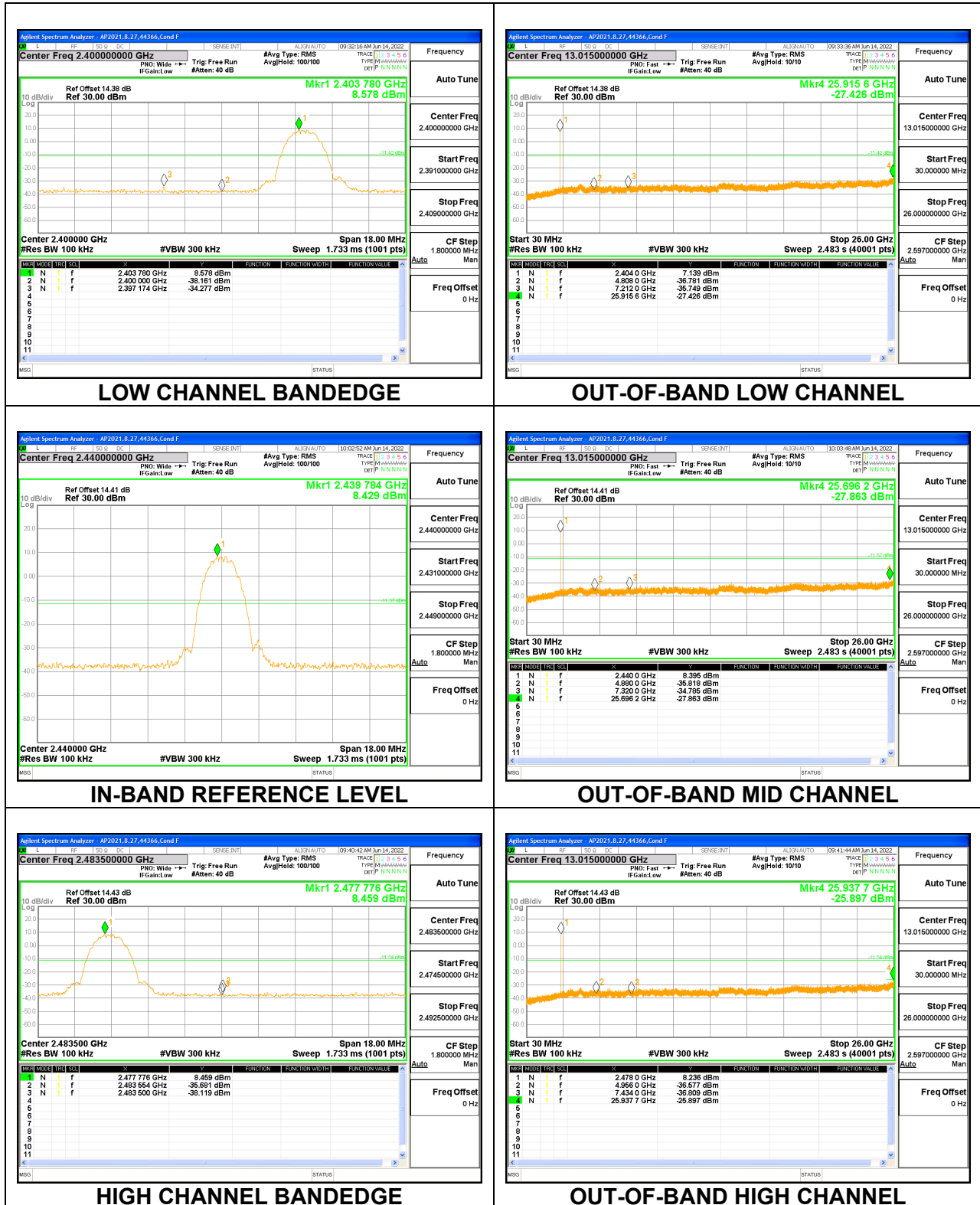
OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



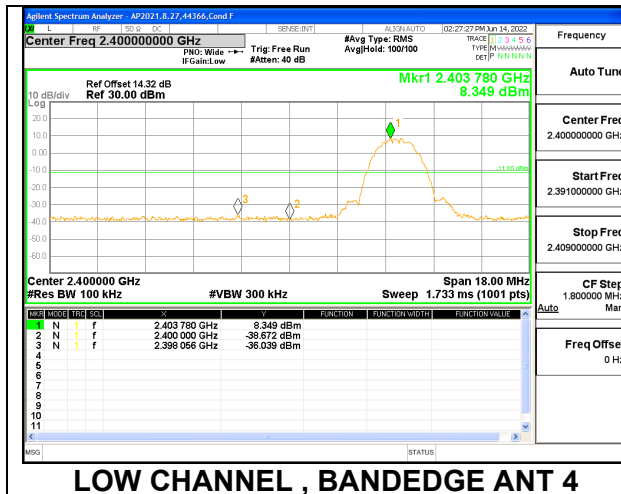
OUT-OF-BAND HIGH CHANNEL

ANT 3

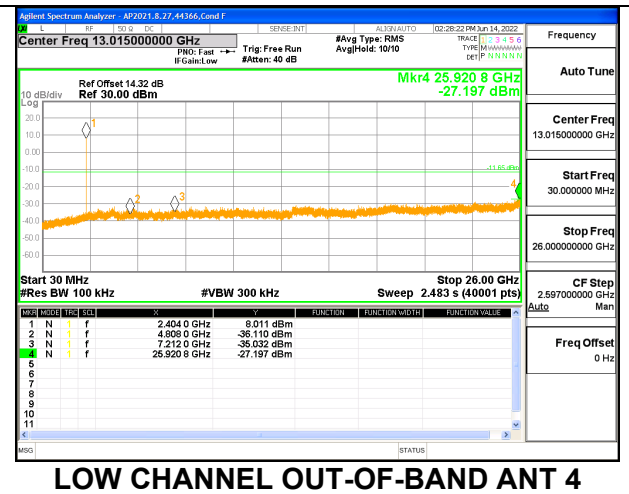
9.7.8. LOW POWER BLE TXBF (2Mbps)

Note: Test procedures and setting are same as BLE normal mode.

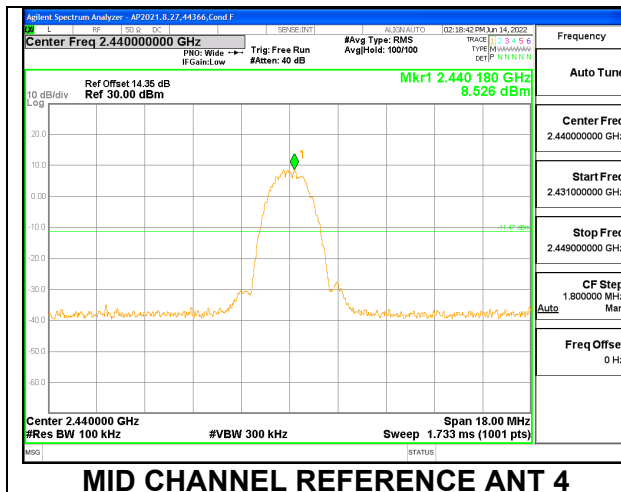
ANT 4



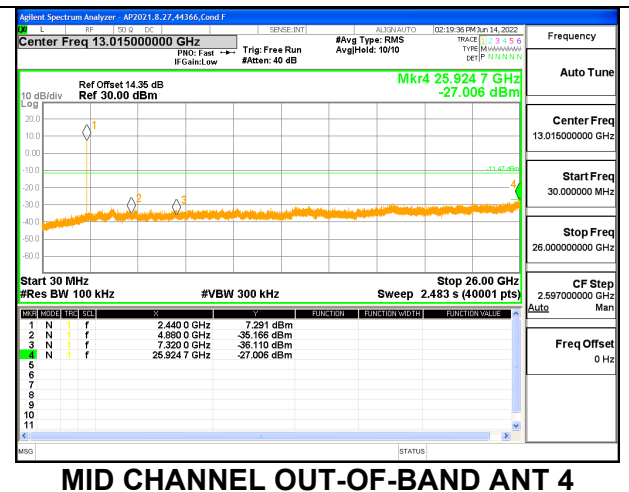
LOW CHANNEL , BANDEDGE ANT 4



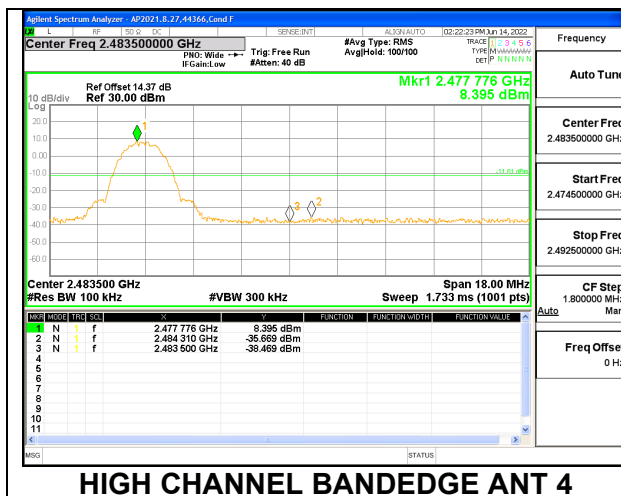
LOW CHANNEL OUT-OF-BAND ANT 4



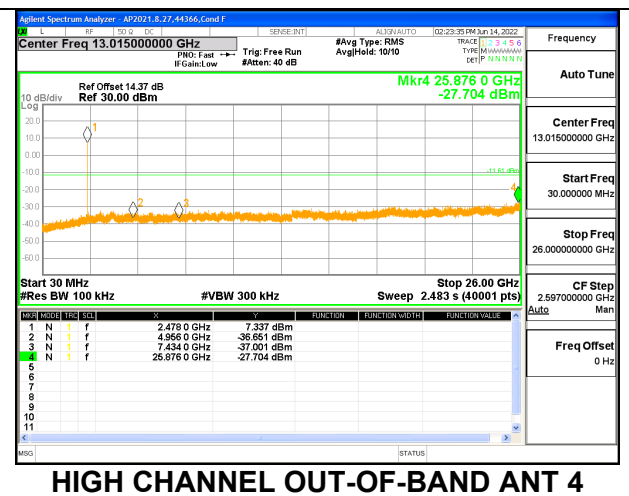
MID CHANNEL REFERENCE ANT 4



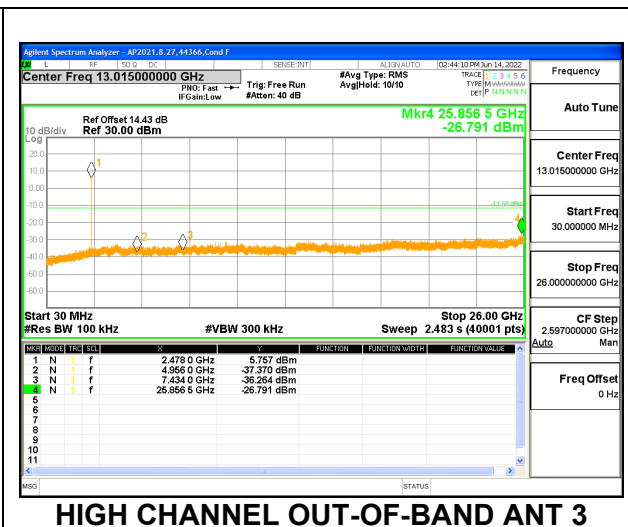
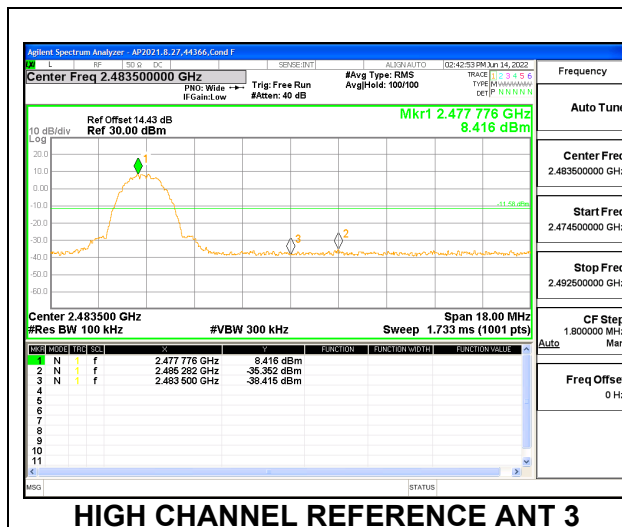
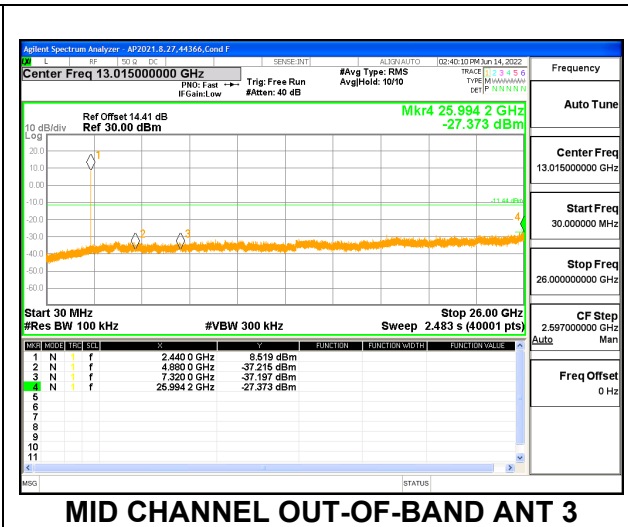
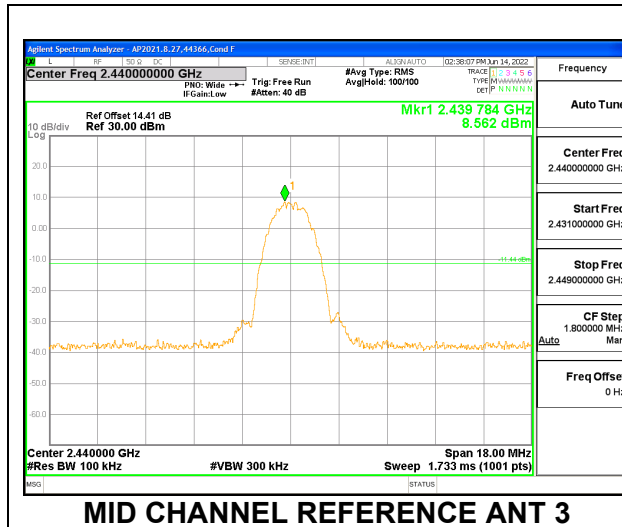
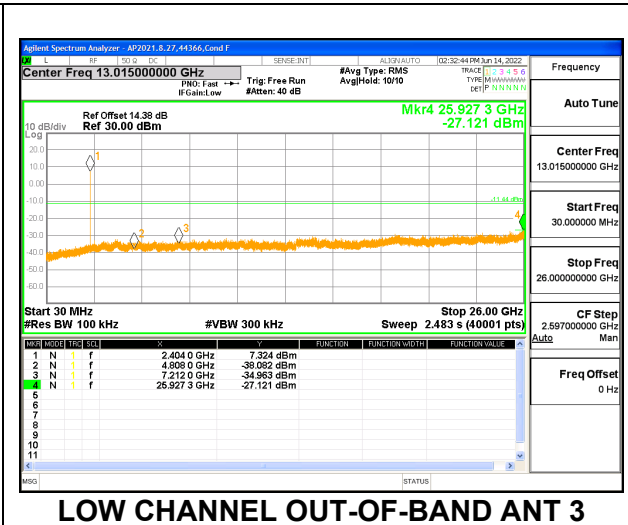
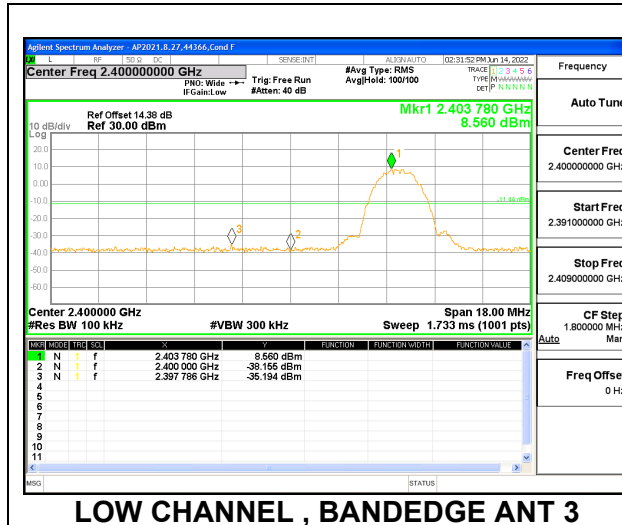
MID CHANNEL OUT-OF-BAND ANT 4



HIGH CHANNEL BANDEDGE ANT 4



HIGH CHANNEL OUT-OF-BAND ANT 4

ANT 3

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

RSS-GEN, Section 8.9 and 8.10.

Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m
0.009-0.490	2400/F(kHz) @ 300 m	-
0.490-1.705	24000/F(kHz) @ 30 m	-
1.705 - 30	30 @ 30m	-
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

Note: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as report in the table) using free space impedance of 377 Ohms. For example, the measurement at frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

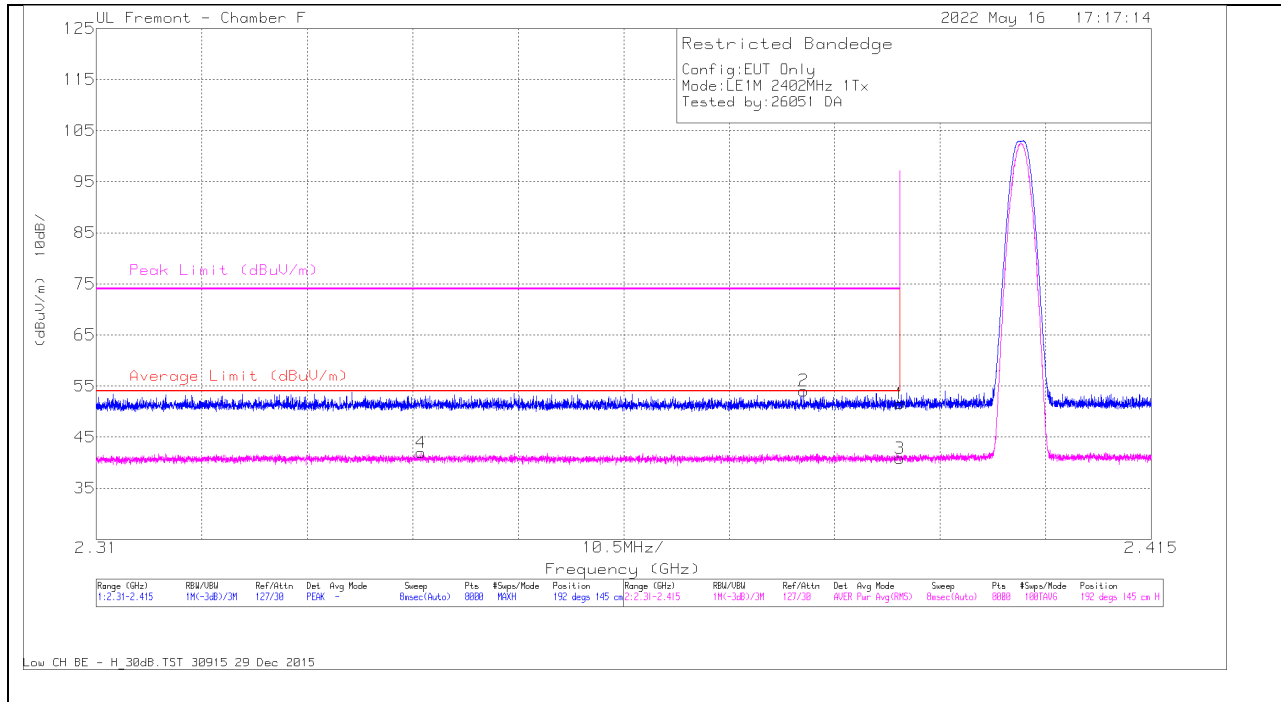
In addition:

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

RESULTS

10.2. TRANSMITTER ABOVE 1 GHz**10.2.1. HIGH POWER BLE (1Mbps)****ANT 4****BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

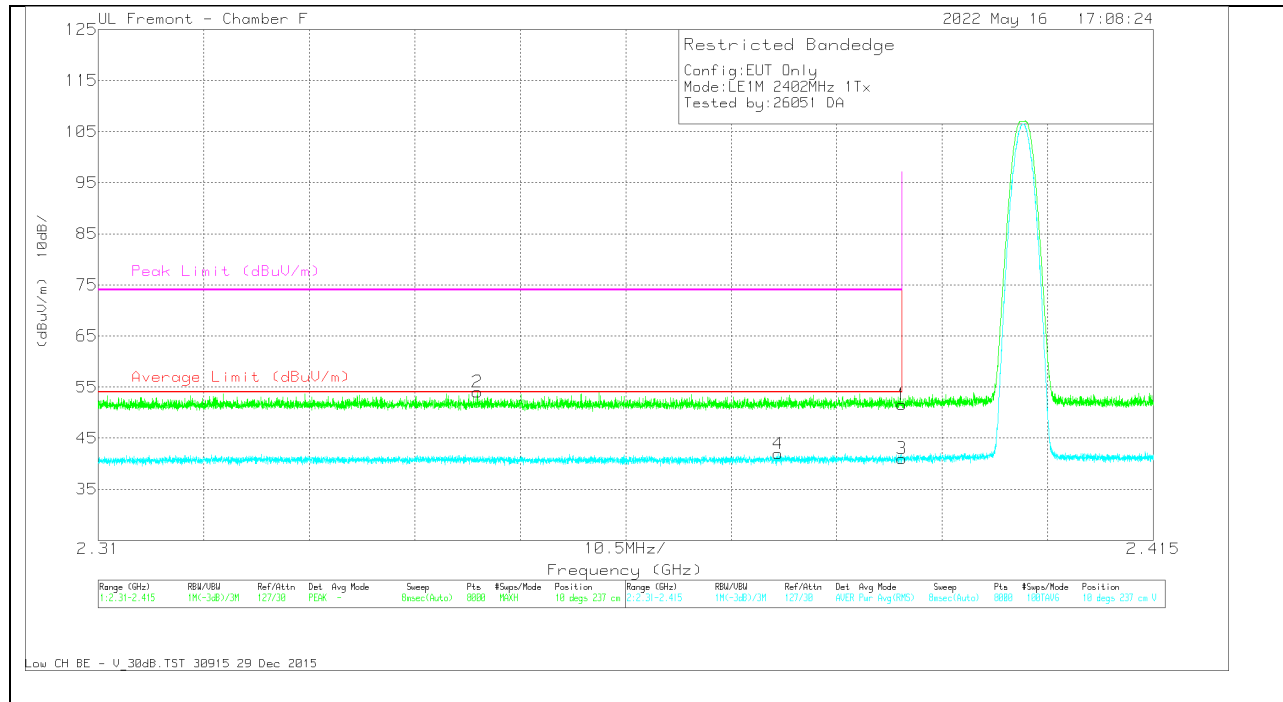
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.39	58.85	Pk	32.1	-39.4	51.55	-	-	74	-22.45	192	145	H
2	* 2.380426	61.58	Pk	32	-39.5	54.08	-	-	74	-19.92	192	145	H
3	* 2.39	48.13	RMS	32.1	-39.4	40.83	54	-13.17	-	-	192	145	H
4	* 2.342306	49.35	RMS	32.1	-39.5	41.95	54	-12.05	-	-	192	145	H

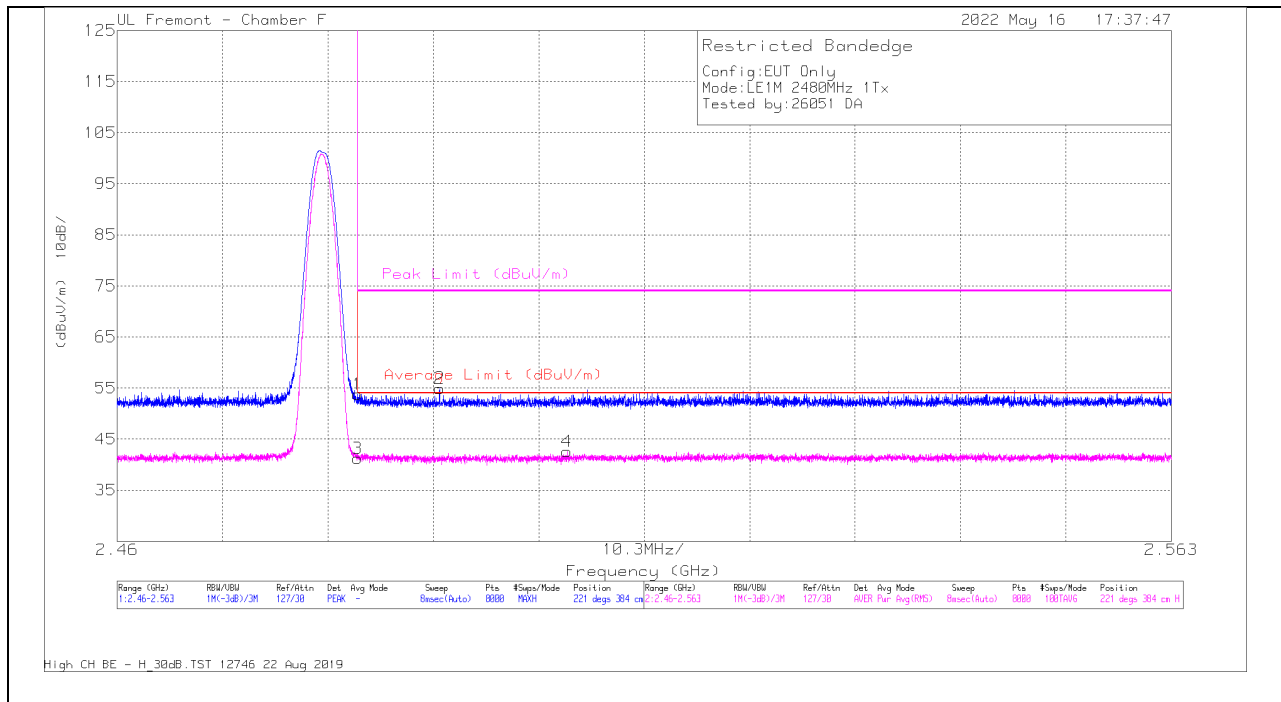
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

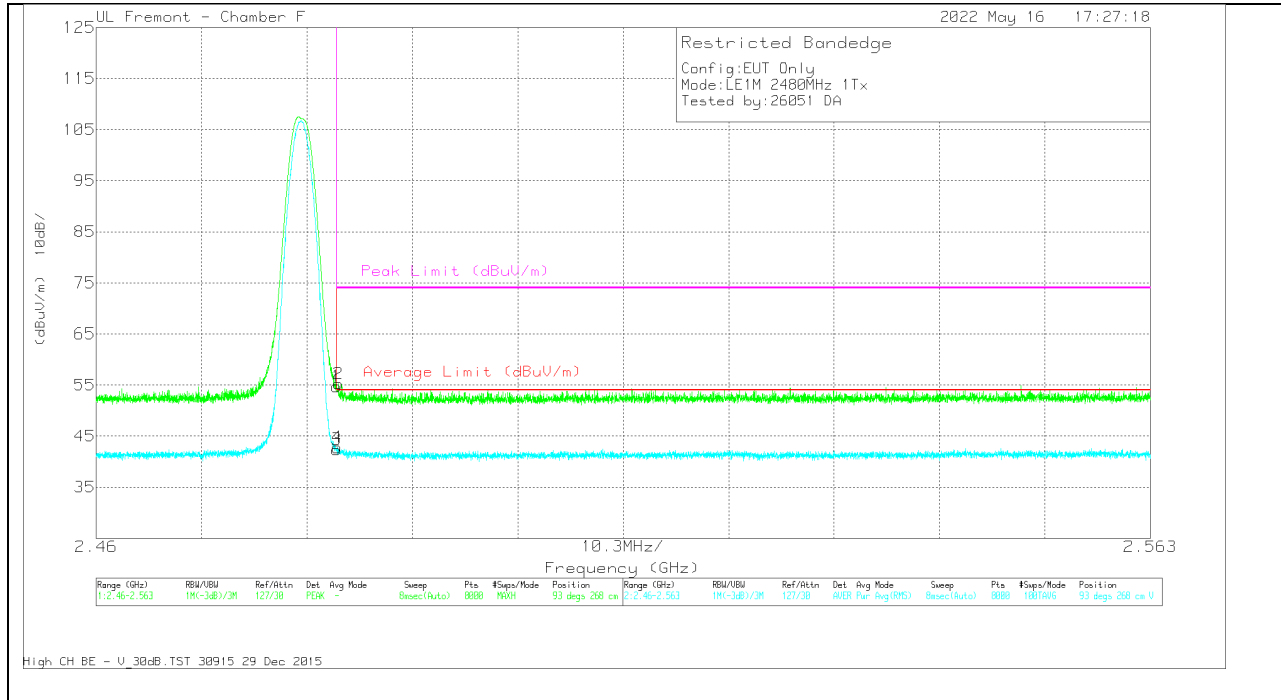
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.58	Pk	32.3	-39.1	53.78	-	-	74	-20.22	221	384	H
2	* 2.491497	61.91	Pk	32.2	-39.2	54.91	-	-	74	-19.09	221	384	H
3	* 2.4835	48	RMS	32.3	-39.1	41.2	54	-12.8	-	-	221	384	H
4	2.503949	49.36	RMS	32.3	-39.1	42.56	54	-11.44	-	-	221	384	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

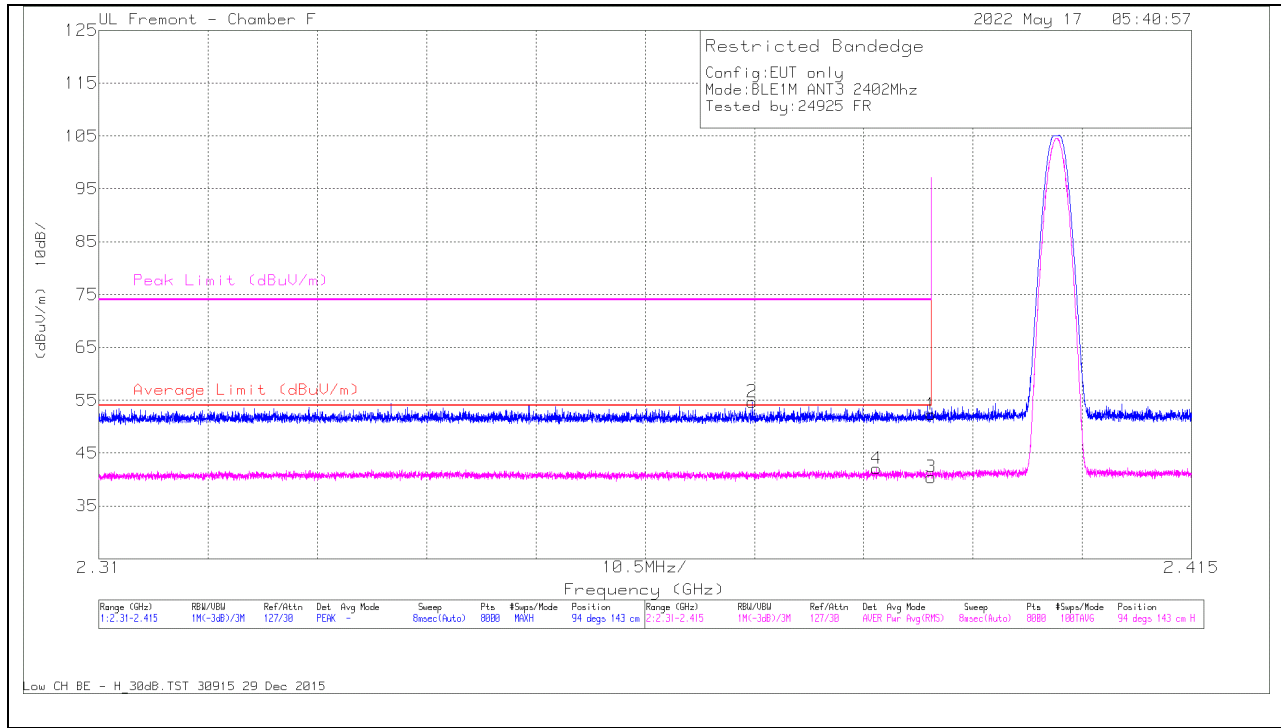


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	61.52	Pk	32.3	-39.1	54.72	-	-	74	-19.28	93	268	V
2	* 2.483668	62.05	Pk	32.3	-39.1	55.25	-	-	74	-18.75	93	268	V
3	* 2.4835	49.18	RMS	32.3	-39.1	42.38	54	-11.62	-	-	93	268	V
4	* 2.483526	49.59	RMS	32.3	-39.1	42.79	54	-11.21	-	-	93	268	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

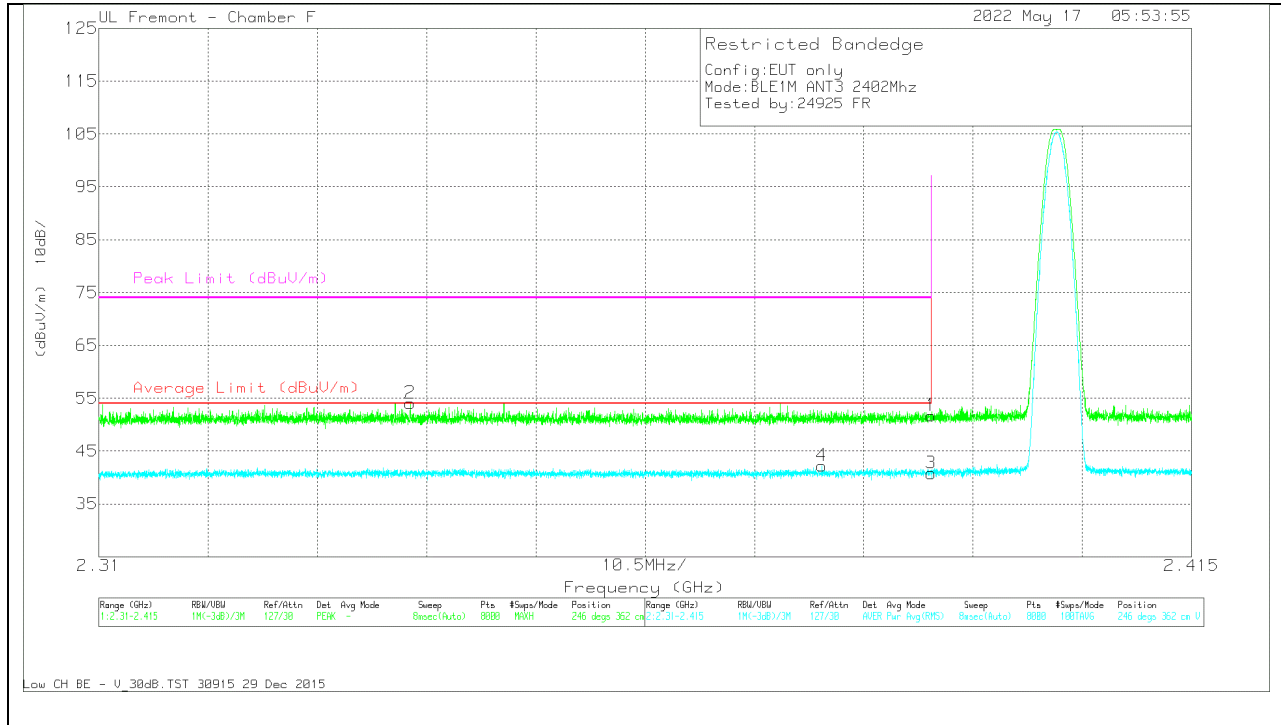
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.39	59.6	Pk	32.1	-39.4	52.3	-	-	74	-21.7	94	143	H
2	* 2.3728	62.17	Pk	32	-39.5	54.67	-	-	74	-19.33	94	143	H
3	* 2.39	47.74	RMS	32.1	-39.4	40.44	54	-13.56	-	-	94	143	H
4	* 2.384706	49.47	RMS	32	-39.4	42.07	54	-11.93	-	-	94	143	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

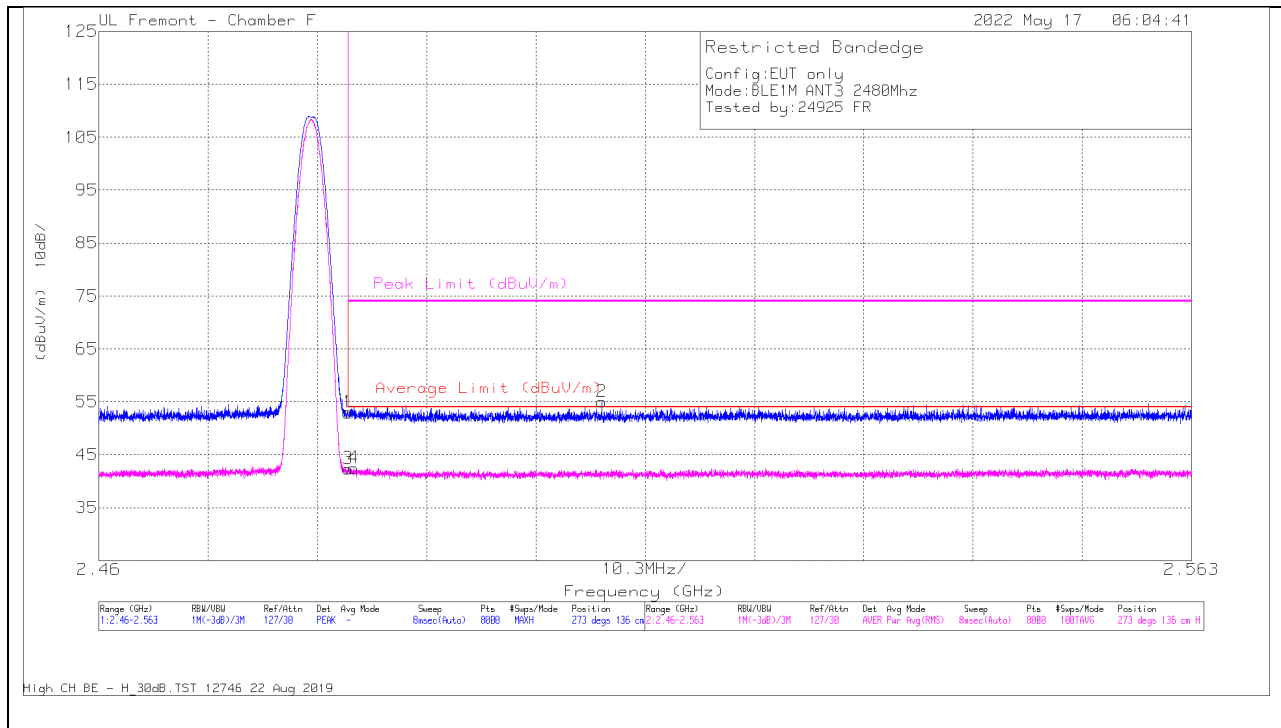
Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.03	Pk	32.1	-39.4	51.73	-	-	74	-22.27	246	362	V
2	* 2.339916	61.56	Pk	32	-39.5	54.06	-	-	74	-19.94	246	362	V
3	* 2.39	48.11	RMS	32.1	-39.4	40.81	54	-13.19	-	-	246	362	V
4	* 2.379468	49.72	RMS	32	-39.5	42.22	54	-11.78	-	-	246	362	V

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

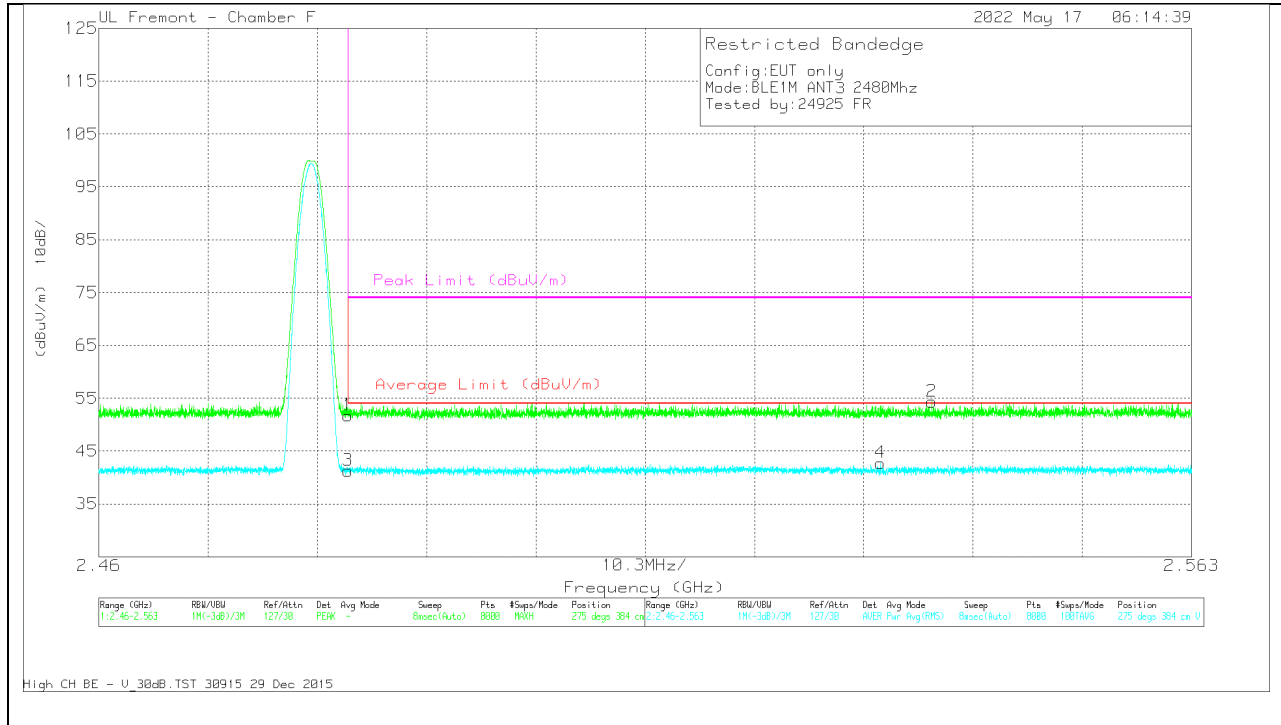
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C b/Filt/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.4835	59.81	Pk	32.3	-39.1	53.01	-	-	74	-20.99	273	136	H
2	2.507413	61.79	Pk	32.3	-39.1	54.99	-	-	74	-19.01	273	136	H
3	* 2.4835	49.16	RMS	32.3	-39.1	42.36	54	-11.64	-	-	273	136	H
4	* 2.484028	49.27	RMS	32.3	-39.1	42.47	54	-11.53	-	-	273	136	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.54	Pk	32.3	-39.1	51.74	-	-	74	-22.26	275	384	V
2	2.538498	61.05	Pk	32.4	-39.1	54.35	-	-	74	-19.65	275	384	V
3	* 2.4835	48.1	RMS	32.3	-39.1	41.3	54	-12.7	-	-	275	384	V
4	2.533669	49.55	RMS	32.3	-39.1	42.75	54	-11.25	-	-	275	384	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

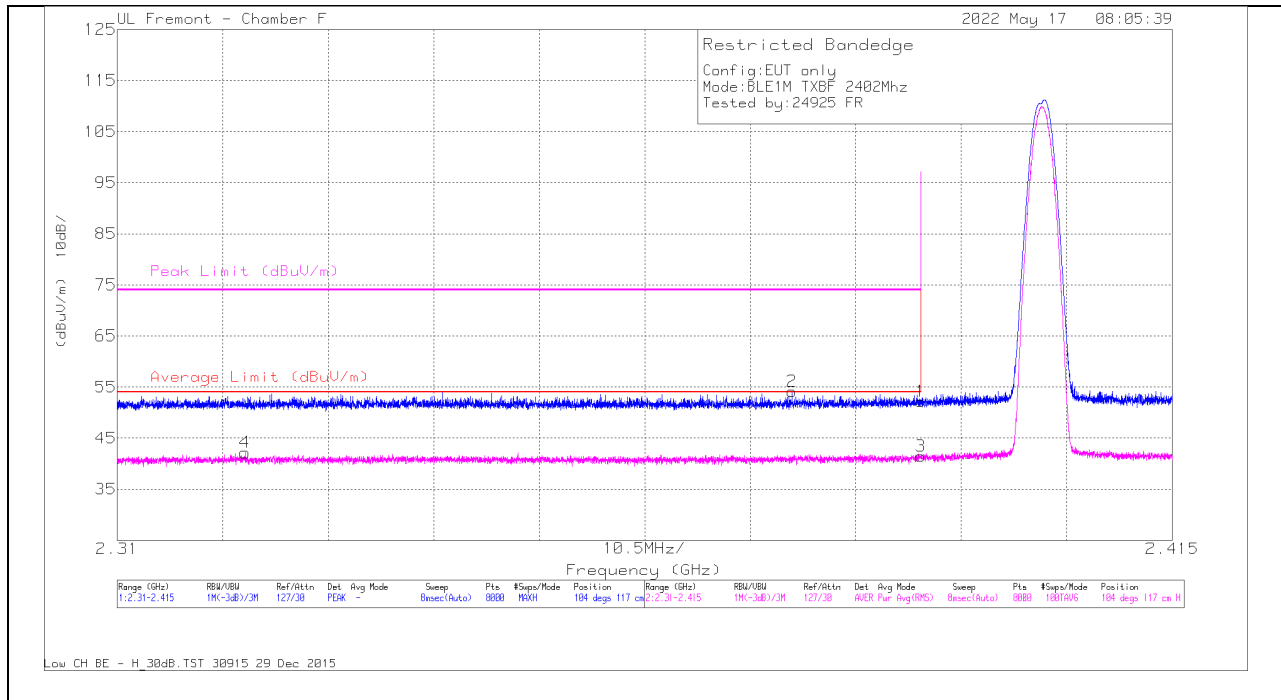
Pk - Peak detector

RMS - RMS detection

10.2.2. HIGH POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



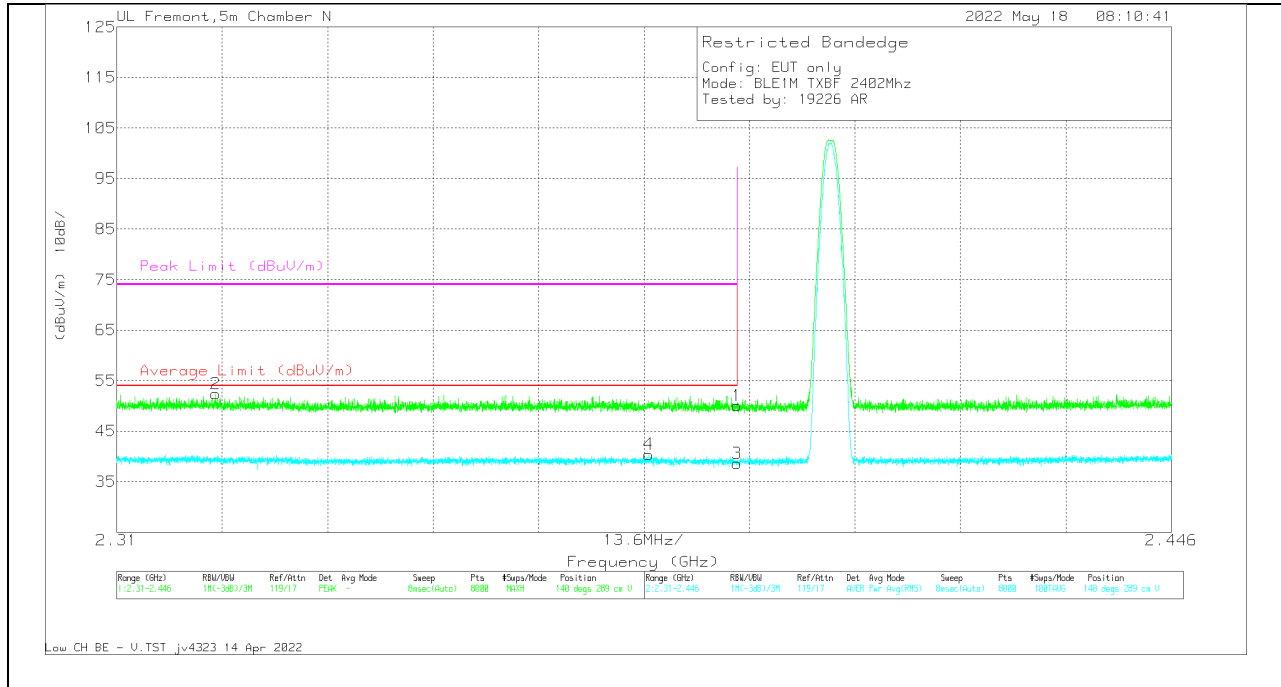
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.47	Pk	32.1	-39.4	52.17	-	-	74	-21.83	104	117	H
2	* 2.377171	61.65	Pk	32	-39.5	54.15	-	-	74	-19.85	104	117	H
3	* 2.39	48.76	RMS	32.1	-39.4	41.46	54	-12.54	-	-	104	117	H
4	* 2.32272	49.67	RMS	32.1	-39.6	42.17	54	-11.83	-	-	104	117	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

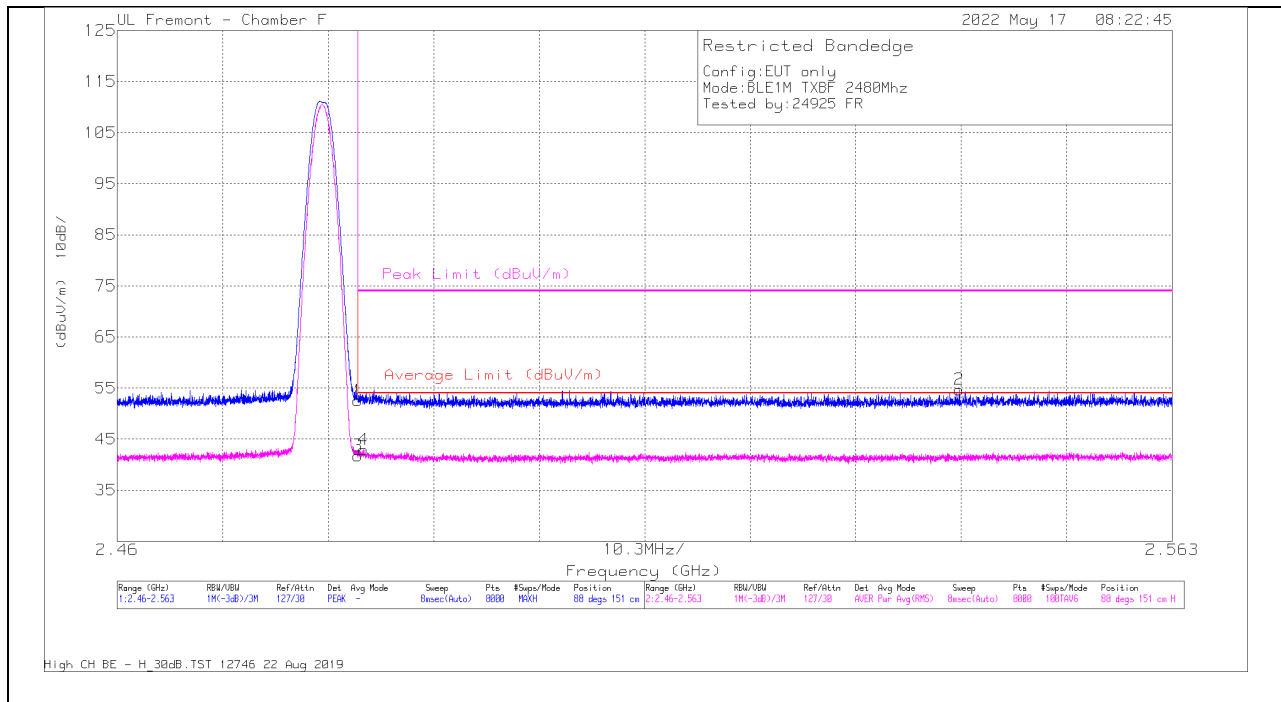


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.67	Pk	31.8	-42.4	50.07	-	-	74	-23.93	140	289	V
2	* 2.322752	63.05	Pk	31.9	-42.6	52.35	-	-	74	-21.65	140	289	V
3	* 2.39	49.25	RMS	31.8	-42.4	38.65	54	-15.35	-	-	140	289	V
4	* 2.378586	50.92	RMS	31.9	-42.4	40.42	54	-13.58	-	-	140	289	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

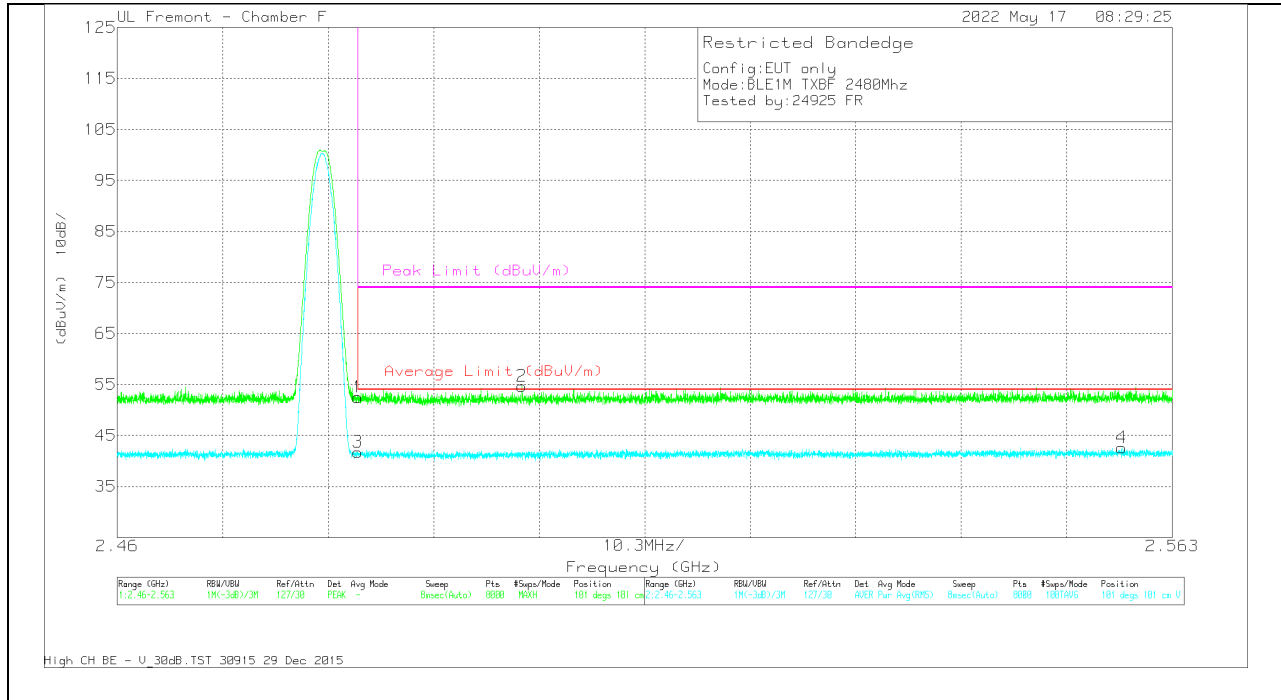
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.35	Pk	32.3	-39.1	52.55	-	-	74	-21.45	88	151	H
2	2.542194	61.31	Pk	32.4	-39	54.71	-	-	74	-19.29	88	151	H
3	* 2.4835	48.53	RMS	32.3	-39.1	41.73	54	-12.27	-	-	88	151	H
4	* 2.484016	49.74	RMS	32.3	-39.1	42.94	54	-11.06	-	-	88	151	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



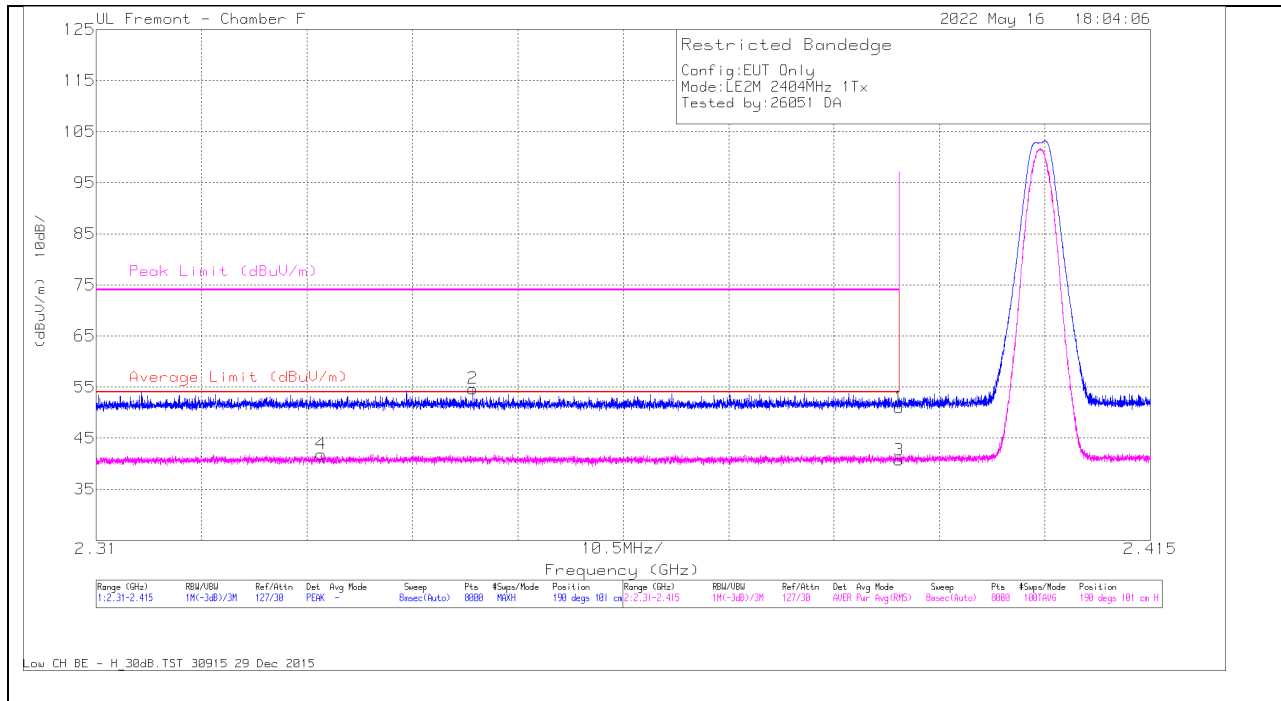
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.31	Pk	32.3	-39.1	52.51	-	-	74	-21.49	101	101	V
2	* 2.49952	61.67	Pk	32.2	-39.2	54.67	-	-	74	-19.33	101	101	V
3	* 2.4835	48.56	RMS	32.3	-39.1	41.76	54	-12.24	-	-	101	101	V
4	2.558058	49.11	RMS	32.4	-38.9	42.61	54	-11.39	-	-	101	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.2.3. HIGH POWER BLE (2Mbps)

ANT 4**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

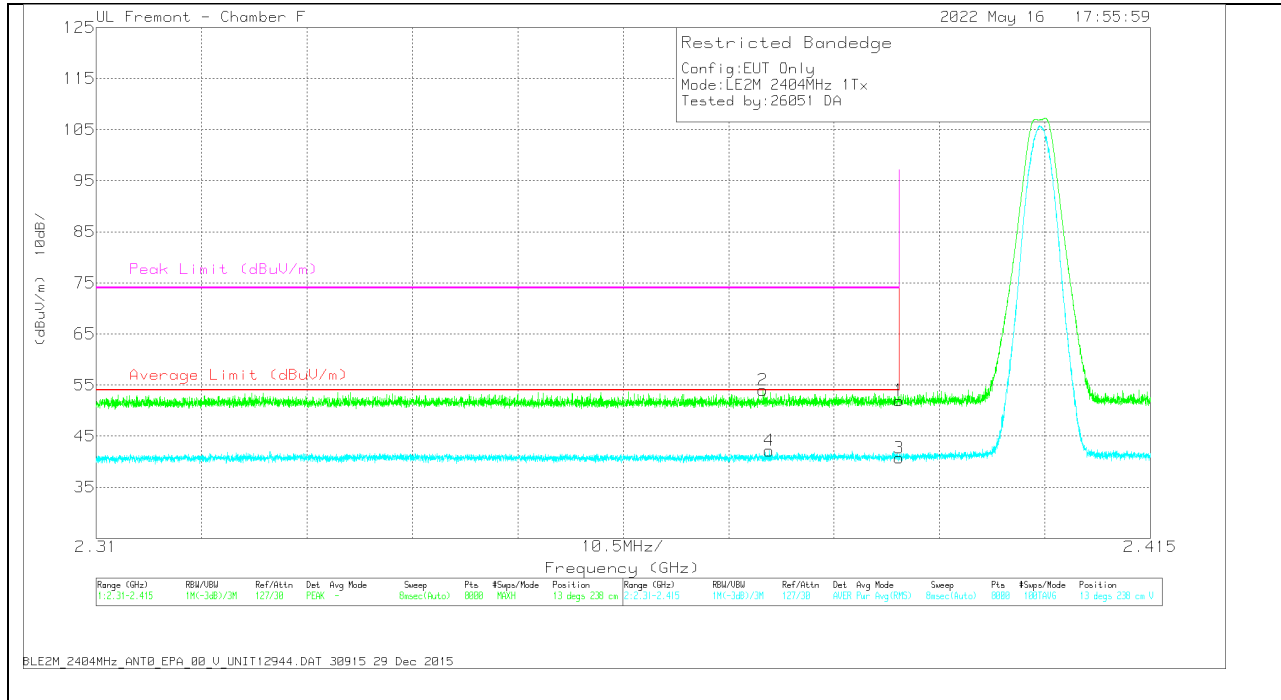
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.39	58.3	Pk	32.1	-39.4	51	-	-	74	-23	190	101	H
2	* 2.347517	62.1	Pk	32.1	-39.5	54.7	-	-	74	-19.3	190	101	H
3	* 2.39	48	RMS	32.1	-39.4	40.7	54	-13.3	-	-	190	101	H
4	* 2.332408	49.49	RMS	32	-39.6	41.89	54	-12.11	-	-	190	101	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

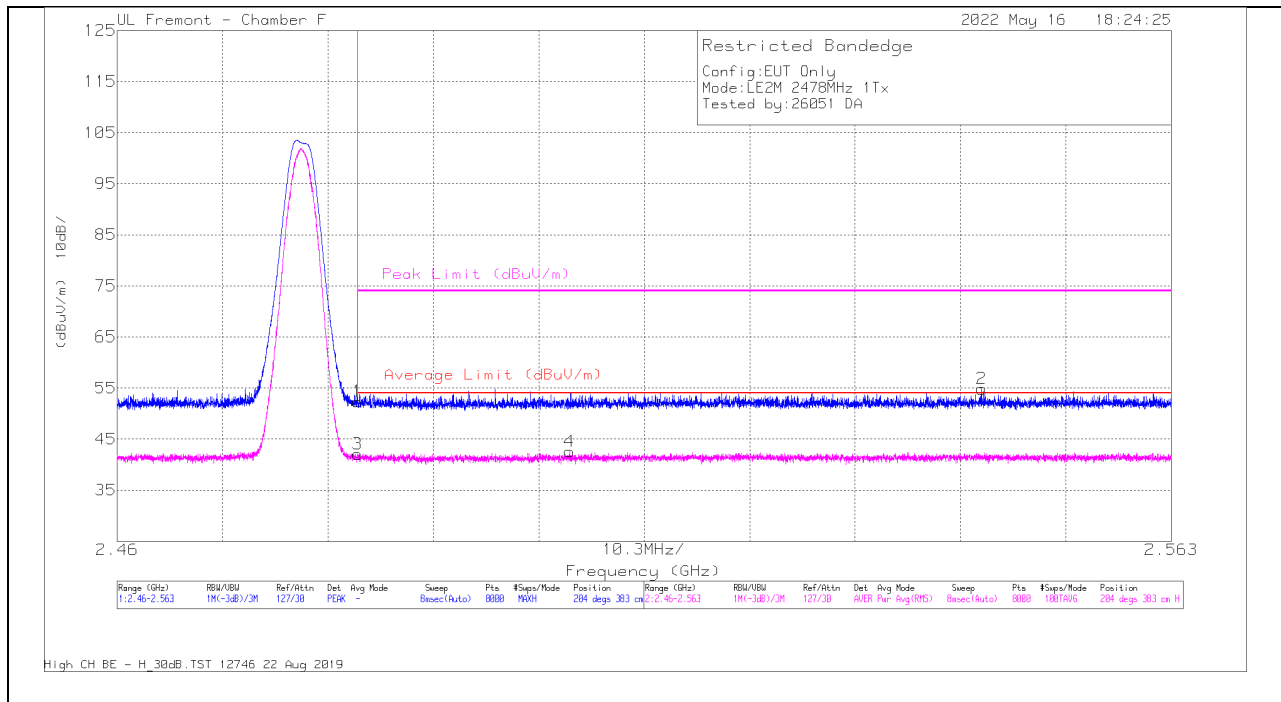


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.29	Pk	32.1	-39.4	51.99	-	-	74	-22.01	13	238	V
2	* 2.376423	61.5	Pk	32	-39.5	54	-	-	74	-20	13	238	V
3	* 2.39	48.02	RMS	32.1	-39.4	40.72	54	-13.28	-	-	13	238	V
4	* 2.377053	49.66	RMS	32	-39.5	42.16	54	-11.84	-	-	13	238	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.14	Pk	32.3	-39.1	52.34	-	-	74	-21.66	204	383	H
2	2.54446	61.46	Pk	32.4	-39	54.86	-	-	74	-19.14	204	383	H
3	* 2.4835	48.85	RMS	32.3	-39.1	42.05	54	-11.95	-	-	204	383	H
4	2.504194	49.36	RMS	32.3	-39.1	42.56	54	-11.44	-	-	204	383	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

UL Fremont - Chamber F

2022 May 16 18:16:35

Restricted Bandedge
Config:EUT Only
Mode:LE2M 2478MHz 1Tx
Tested by:26051 DA

Peak Limit (dBuV/m)

Average Limit (dBuV/m)

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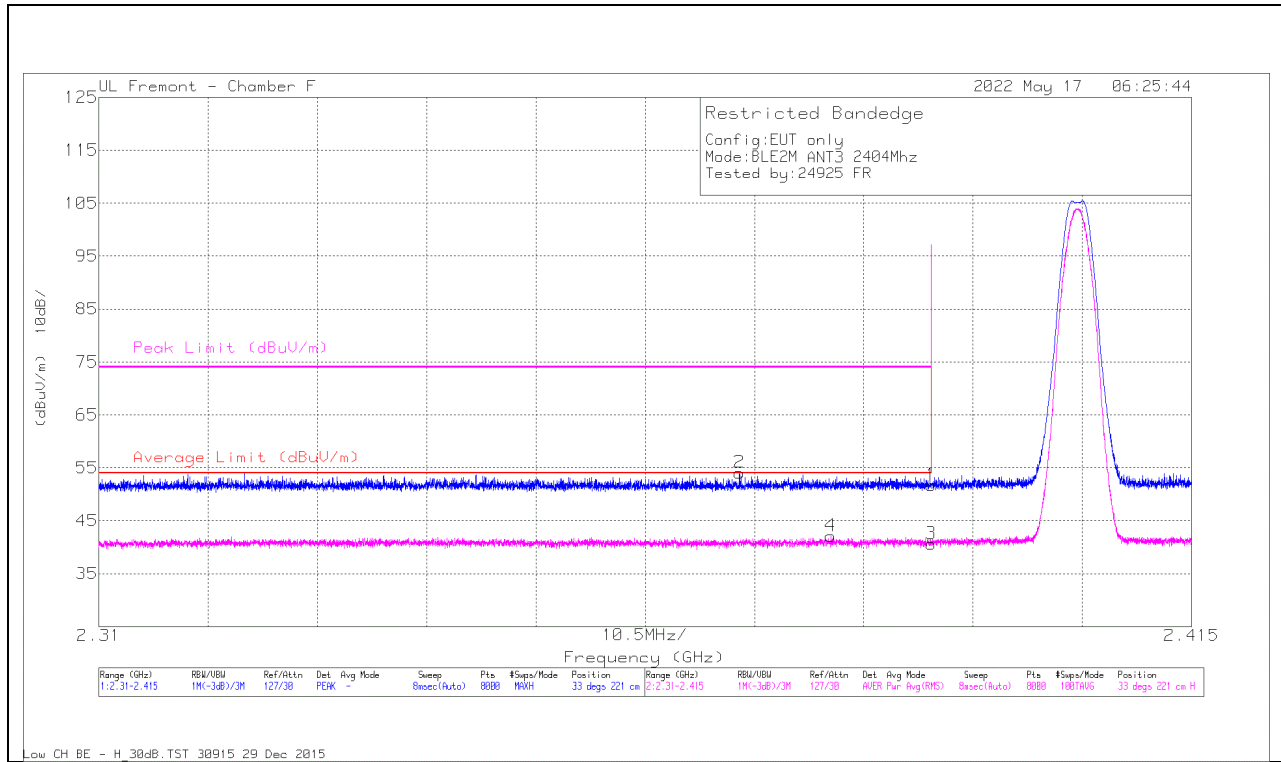
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Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bI/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.4835	58.93	Pk	32.3	-39.1	52.13	-	-	74	-21.87	115	296	V
2	2.537468	60.89	Pk	32.4	-39	54.29	-	-	74	-19.71	115	296	V
3	* 2.4835	48.26	RMS	32.3	-39.1	41.46	54	-12.54	-	-	115	296	V
4	2.553603	49.33	RMS	32.4	-39	42.73	54	-11.27	-	-	115	296	V

Pk - Peak detector
RMS - RMS detection

ANT 3**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

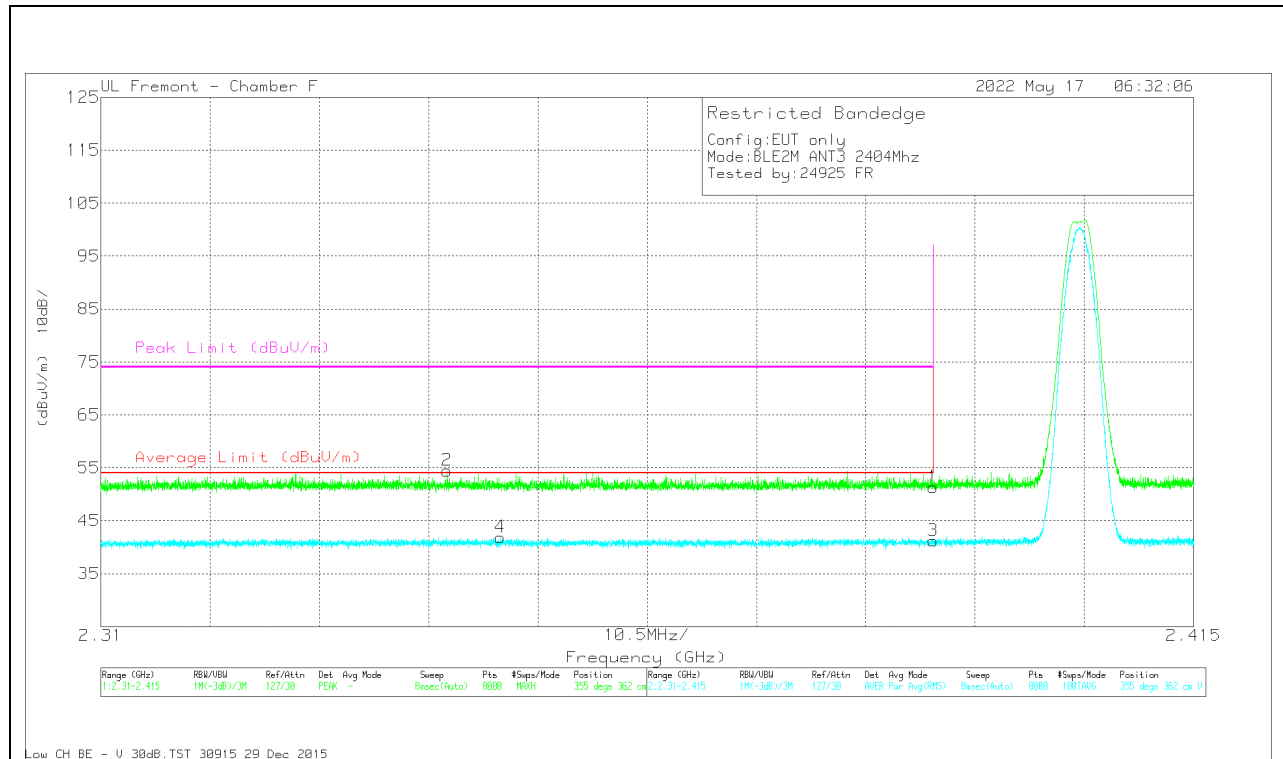
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.03	Pk	32.1	-39.4	51.73	-	-	74	-22.27	33	221	H
2	* 2.371553	61.59	Pk	32	-39.5	54.09	-	-	74	-19.91	33	221	H
3	* 2.39	47.94	RMS	32.1	-39.4	40.64	54	-13.36	-	-	33	221	H
4	* 2.380321	49.63	RMS	32	-39.5	42.13	54	-11.87	-	-	33	221	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

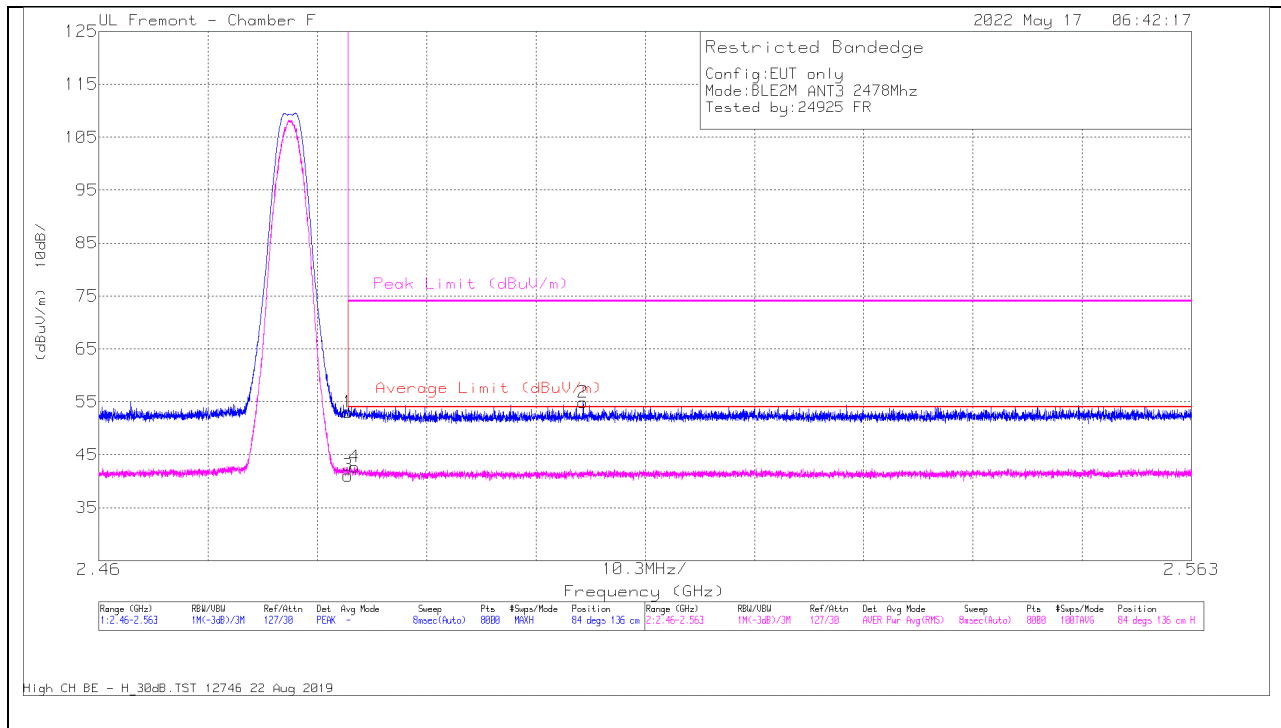


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cb/Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.63	Pk	32.1	-39.4	51.33	-	-	74	-22.67	355	362	V
2	* 2.343277	61.87	Pk	32.1	-39.5	54.47	-	-	74	-19.53	355	362	V
3	* 2.39	48.5	RMS	32.1	-39.4	41.2	54	-12.8	-	-	355	362	V
4	* 2.34841	49.26	RMS	32.1	-39.5	41.86	54	-12.14	-	-	355	362	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

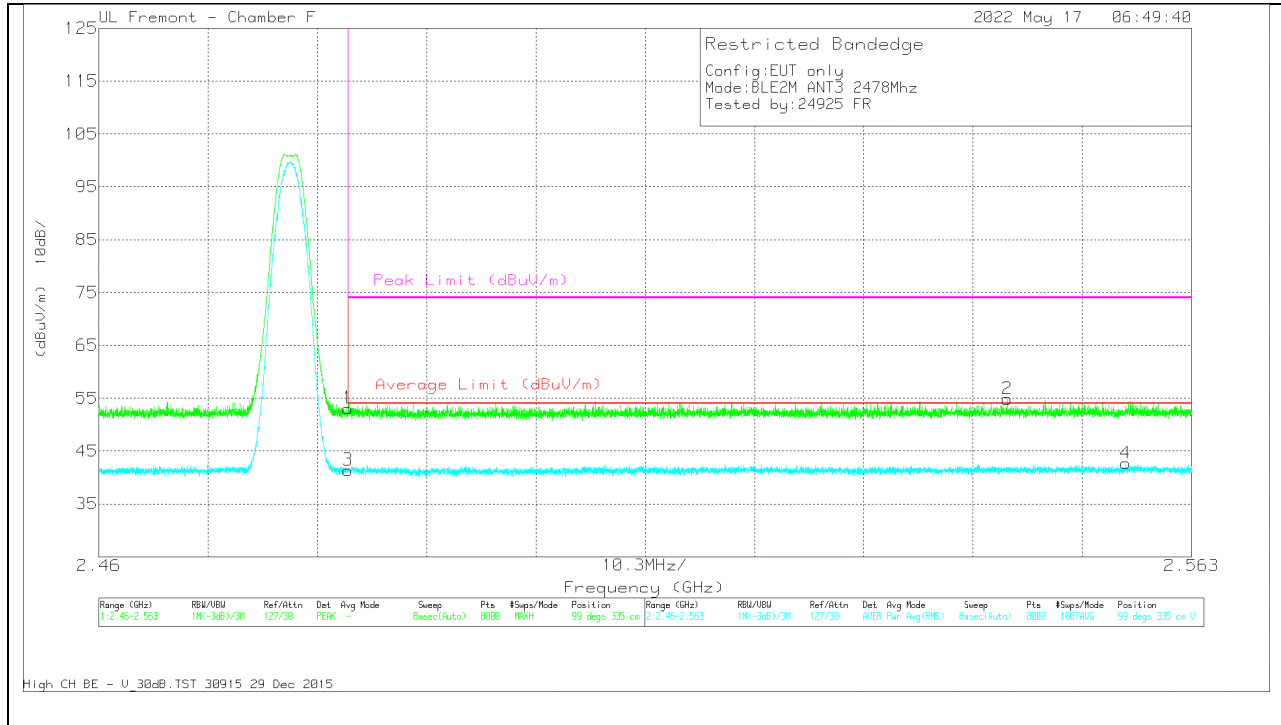
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.4835	59.82	Pk	32.3	-39.1	53.02	-	-	74	-20.98	84	136	H
2	2.505649	61.59	Pk	32.3	-39	54.89	-	-	74	-19.11	84	136	H
3	* 2.4835	47.86	RMS	32.3	-39.1	41.06	54	-12.94	-	-	84	136	H
4	* 2.48408	49.47	RMS	32.3	-39.1	42.67	54	-11.33	-	-	84	136	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.87	Pk	32.3	-39.1	53.07	-	-	74	-20.93	99	335	V
2	2.545619	61.45	Pk	32.4	-39	54.85	-	-	74	-19.15	99	335	V
3	* 2.4835	48.17	RMS	32.3	-39.1	41.37	54	-12.63	-	-	99	335	V
4	2.556784	49.3	RMS	32.4	-39	42.7	54	-11.3	-	-	99	335	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

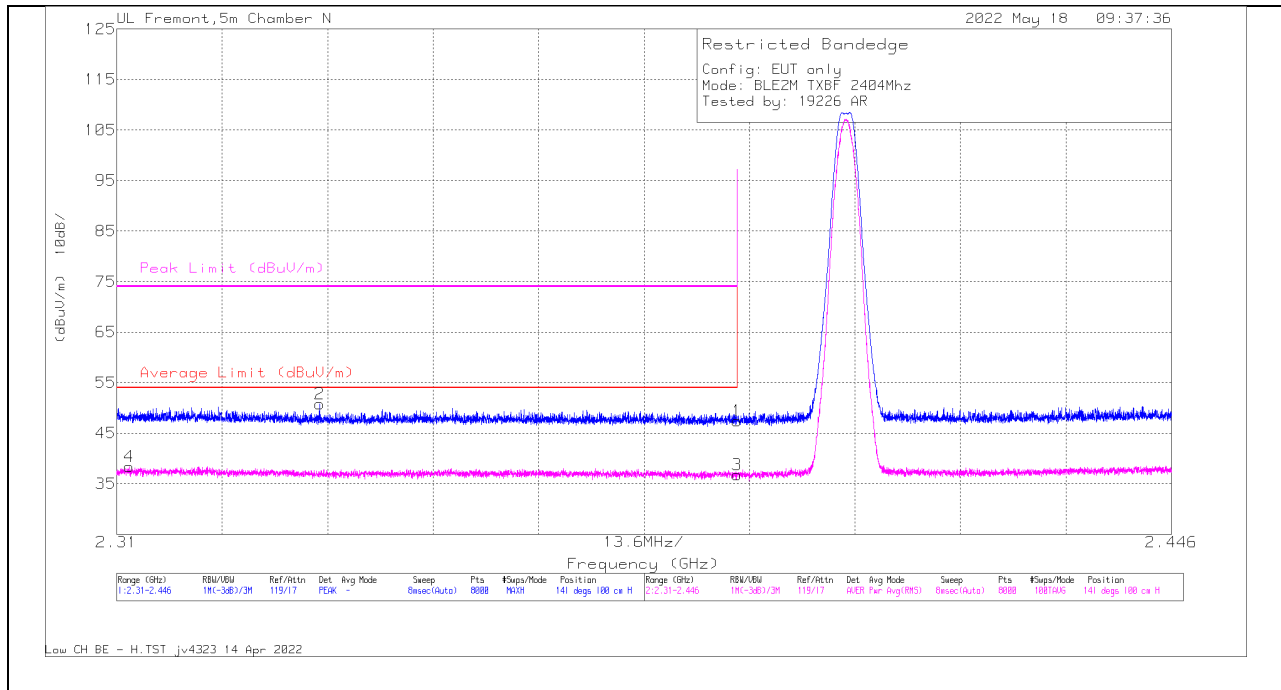
Pk - Peak detector

RMS - RMS detection

10.2.4. HIGH POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



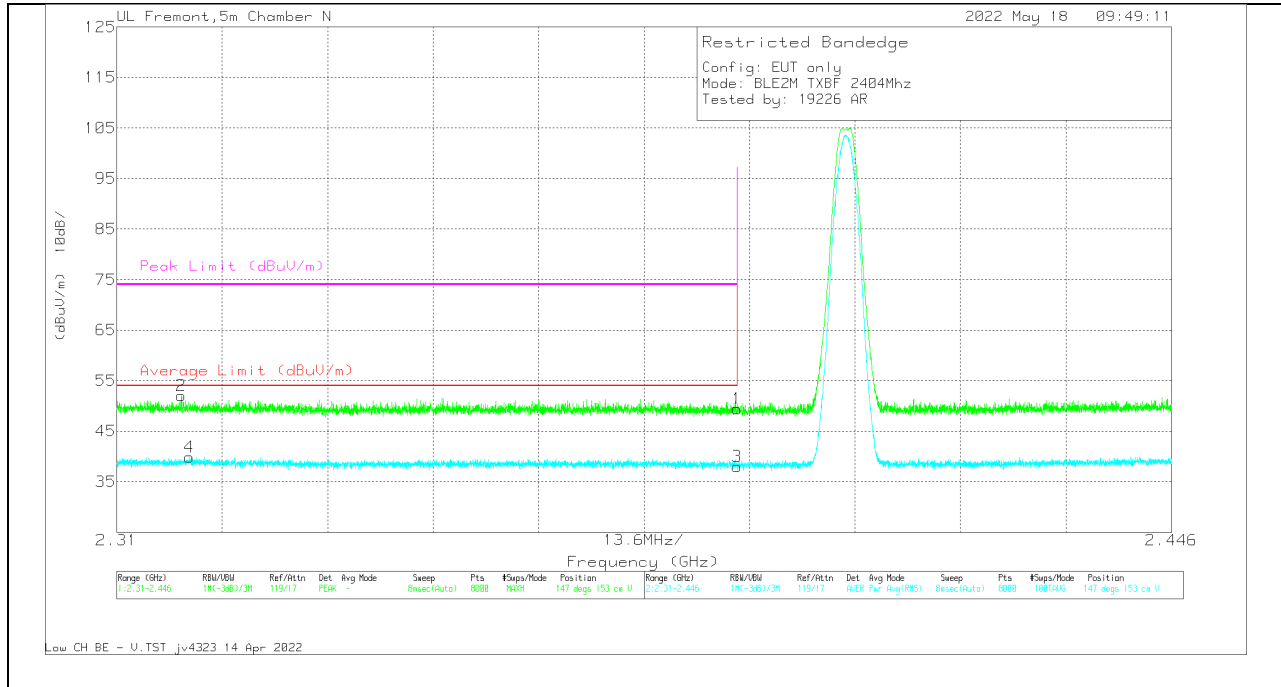
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	57.99	Pk	31.8	-42.4	47.39	-	-	74	-26.61	141	100	H
2	* 2.336149	61.47	Pk	31.8	-42.5	50.77	-	-	74	-23.23	141	100	H
3	* 2.39	47.4	RMS	31.8	-42.4	36.8	54	-17.2	-	-	141	100	H
4	* 2.311615	49.16	RMS	31.9	-42.7	38.36	54	-15.64	-	-	141	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

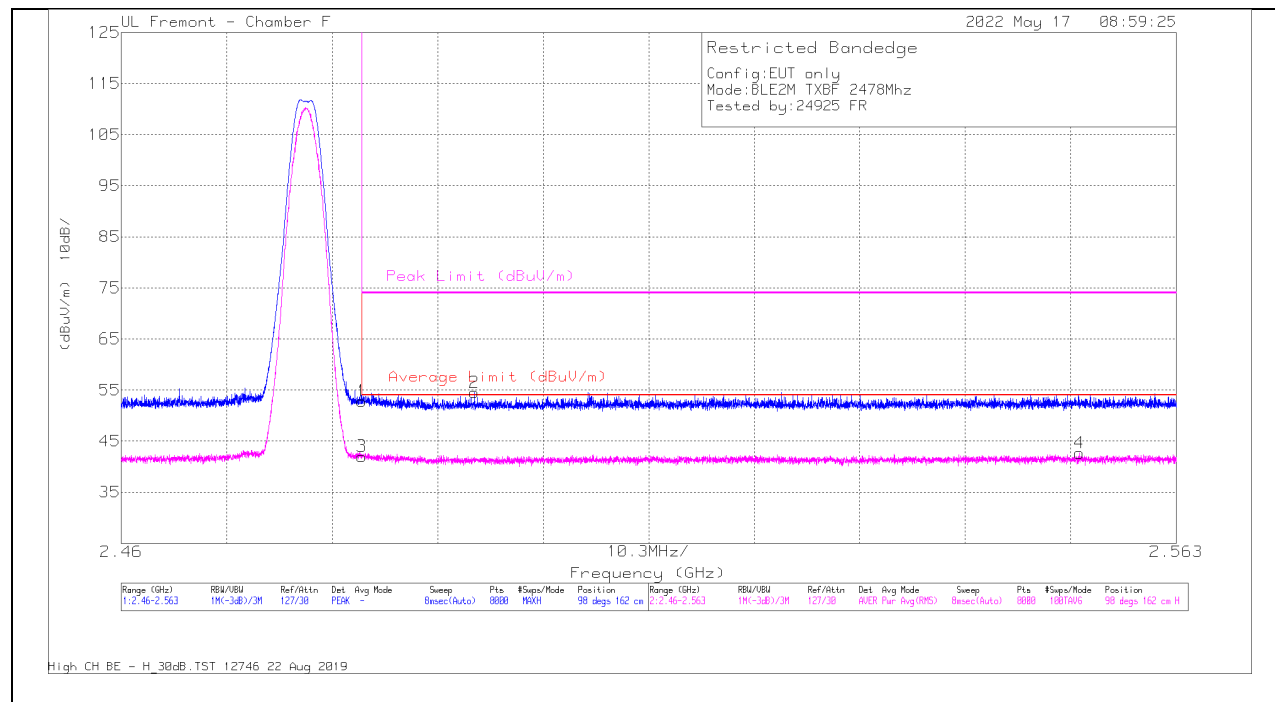


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.04	Pk	31.8	-42.4	49.44	-	-	74	-24.56	147	153	V
2	* 2.318348	62.77	Pk	31.9	-42.6	52.07	-	-	74	-21.93	147	153	V
3	* 2.39	48.59	RMS	31.8	-42.4	37.99	54	-16.01	-	-	147	153	V
4	* 2.319402	50.56	RMS	31.9	-42.6	39.86	54	-14.14	-	-	147	153	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

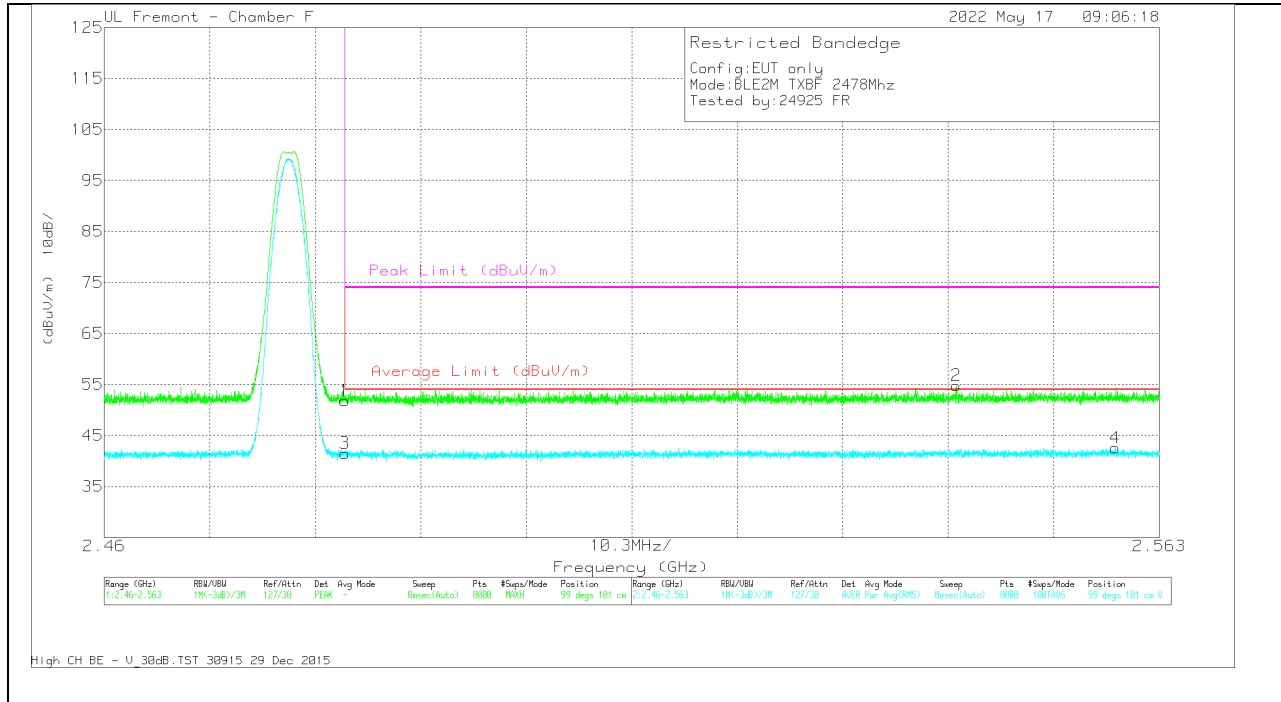
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.61	Pk	32.3	-39.1	52.81	-	-	74	-21.19	98	162	H
2	* 2.494472	61.51	Pk	32.2	-39.2	54.51	-	-	74	-19.49	98	162	H
3	* 2.4835	48.8	RMS	32.3	-39.1	42	54	-12	-	-	98	162	H
4	2.553539	49.26	RMS	32.4	-39	42.66	54	-11.34	-	-	98	162	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.59	Pk	32.3	-39.1	51.79	-	-	74	-22.21	99	101	V
2	2.543198	61.38	Pk	32.4	-39	54.78	-	-	74	-19.22	99	101	V
3	* 2.4835	48.3	RMS	32.3	-39.1	41.5	54	-12.5	-	-	99	101	V
4	2.558689	49.15	RMS	32.4	-39	42.55	54	-11.45	-	-	99	101	V

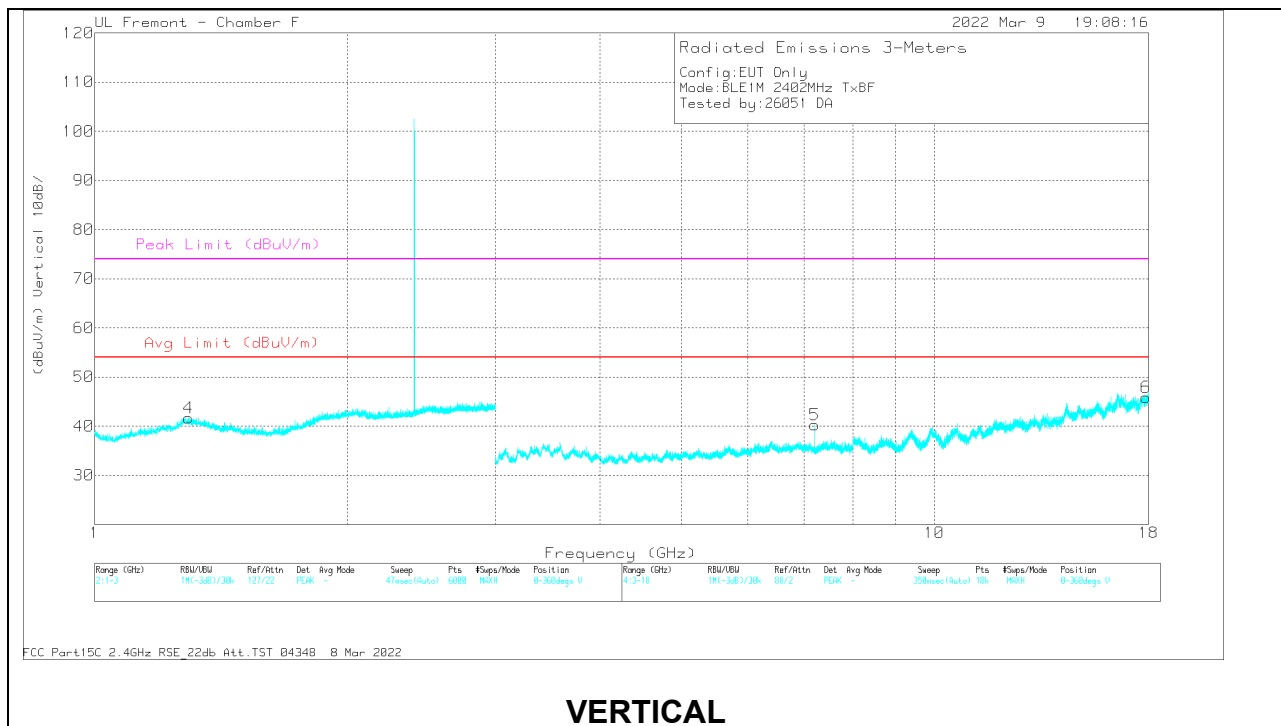
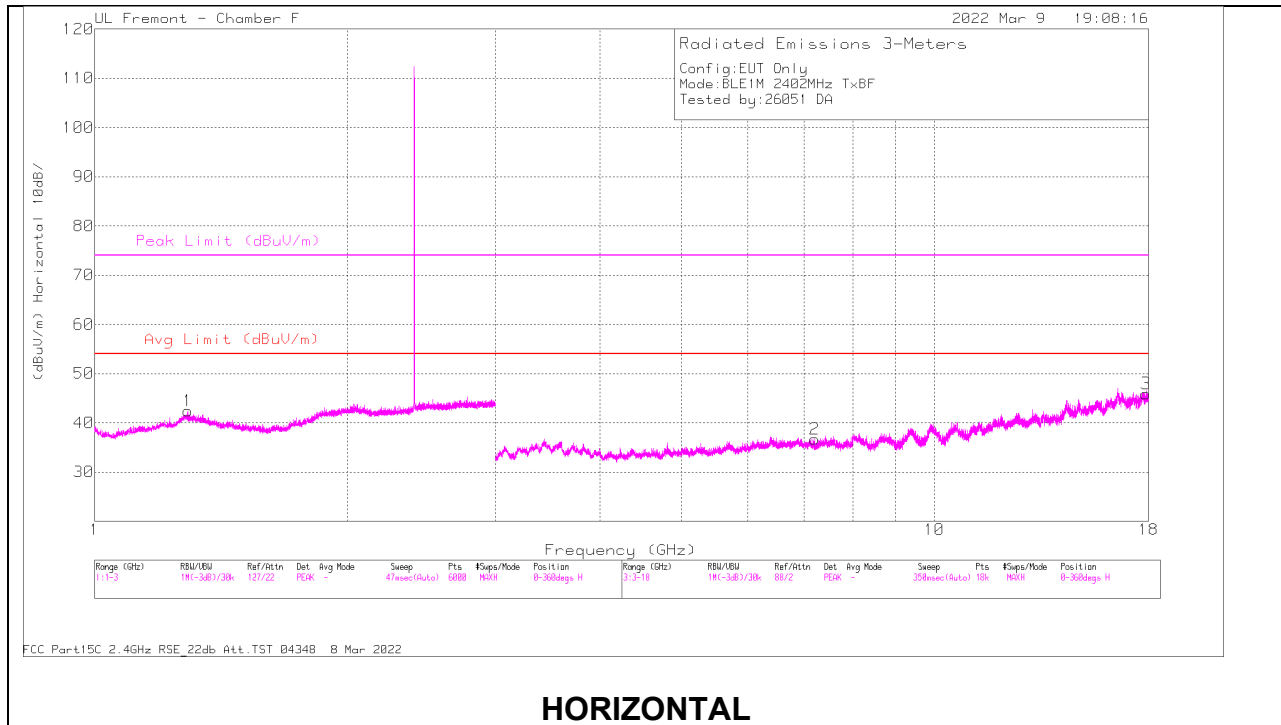
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.2.5. HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



RADIATED EMISSIONS

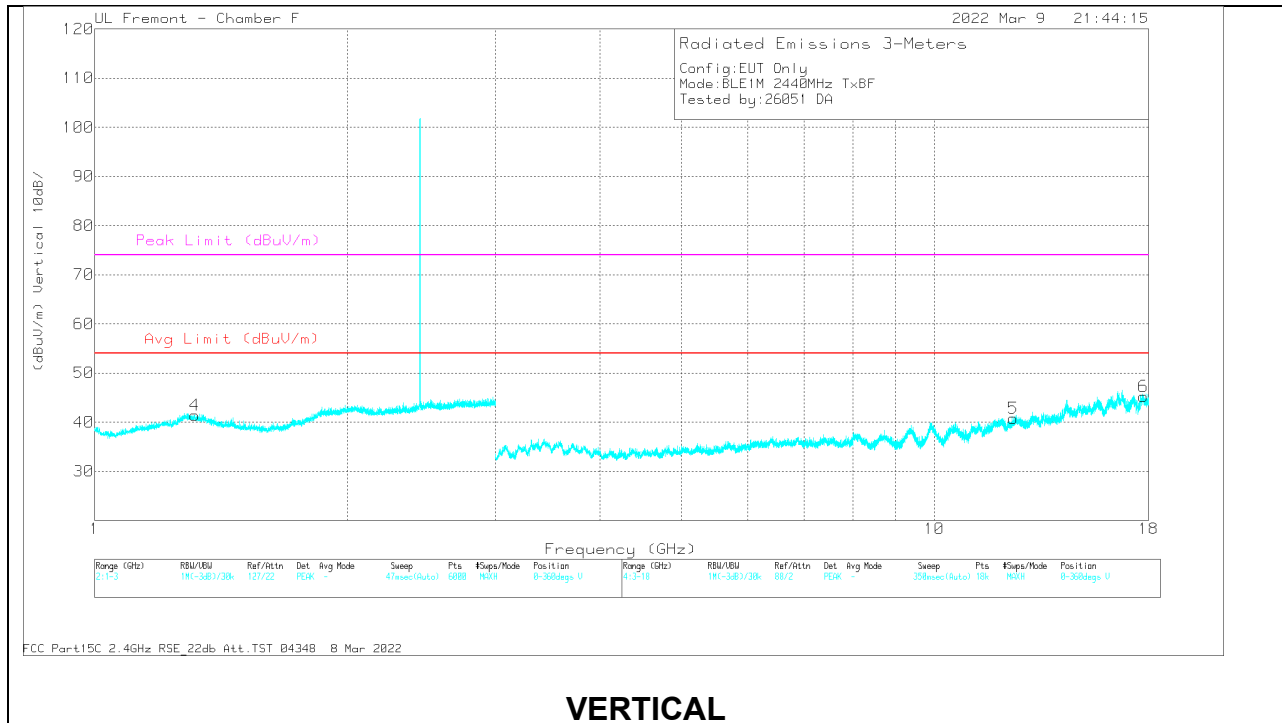
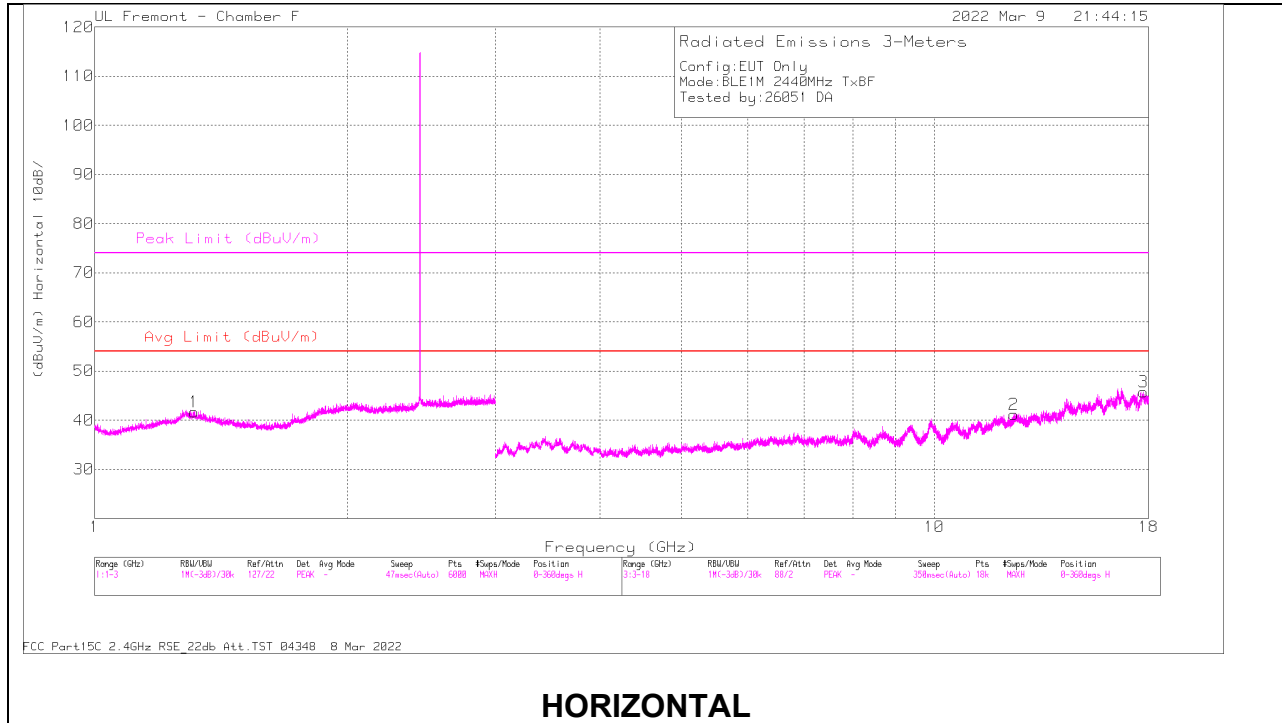
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.288982	59.65	PK2	30.4	-38.9	51.15	-	-	74	-22.85	100	101	H
	* 1.288506	48.46	MAv1	30.4	-38.9	39.96	54	-14.04	-	-	100	101	H
4	* 1.294257	60.22	PK2	30.4	-38.9	51.72	-	-	74	-22.28	250	200	V
	* 1.292733	48.13	MAv1	30.4	-38.9	39.63	54	-14.37	-	-	250	200	V
2	7.207226	55.68	PK2	35.5	-45.8	45.38	-	-	-	-	310	101	H
	7.205046	44.26	MAv1	35.5	-45.8	33.96	-	-	-	-	320	101	H
3	* 17.871451	59.08	PK2	42	-44.8	56.28	-	-	74	-17.72	75	101	H
	* 17.87206	46.81	MAv1	42	-44.8	44.01	54	-9.99	-	-	75	101	H
5	7.205398	58.9	PK2	35.5	-45.8	48.6	-	-	-	-	175	104	V
	7.206564	49.56	MAv1	35.5	-45.8	39.26	-	-	-	-	175	104	V
6	* 17.869229	58.36	PK2	41.9	-44.7	55.56	-	-	74	-18.44	85	101	V
	* 17.868677	46.72	MAv1	41.9	-44.7	43.92	54	-10.08	-	-	85	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

MID CHANNEL RESULTS



RADIATED EMISSIONS

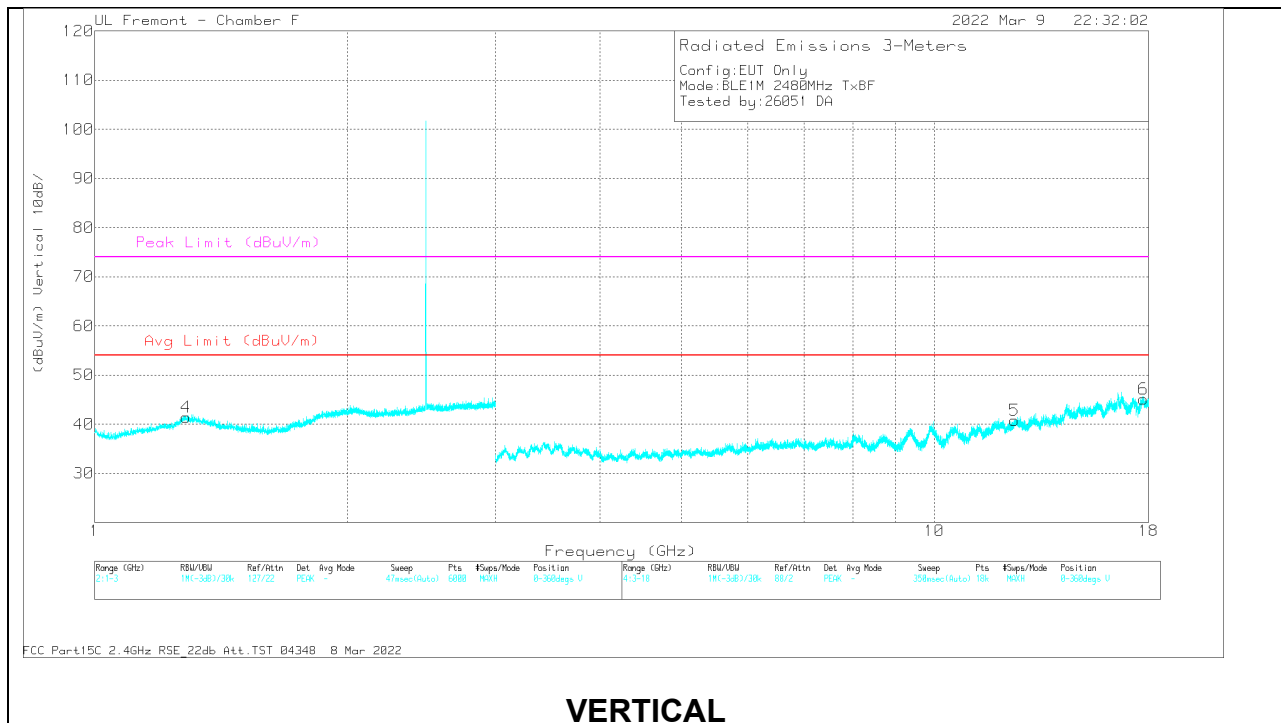
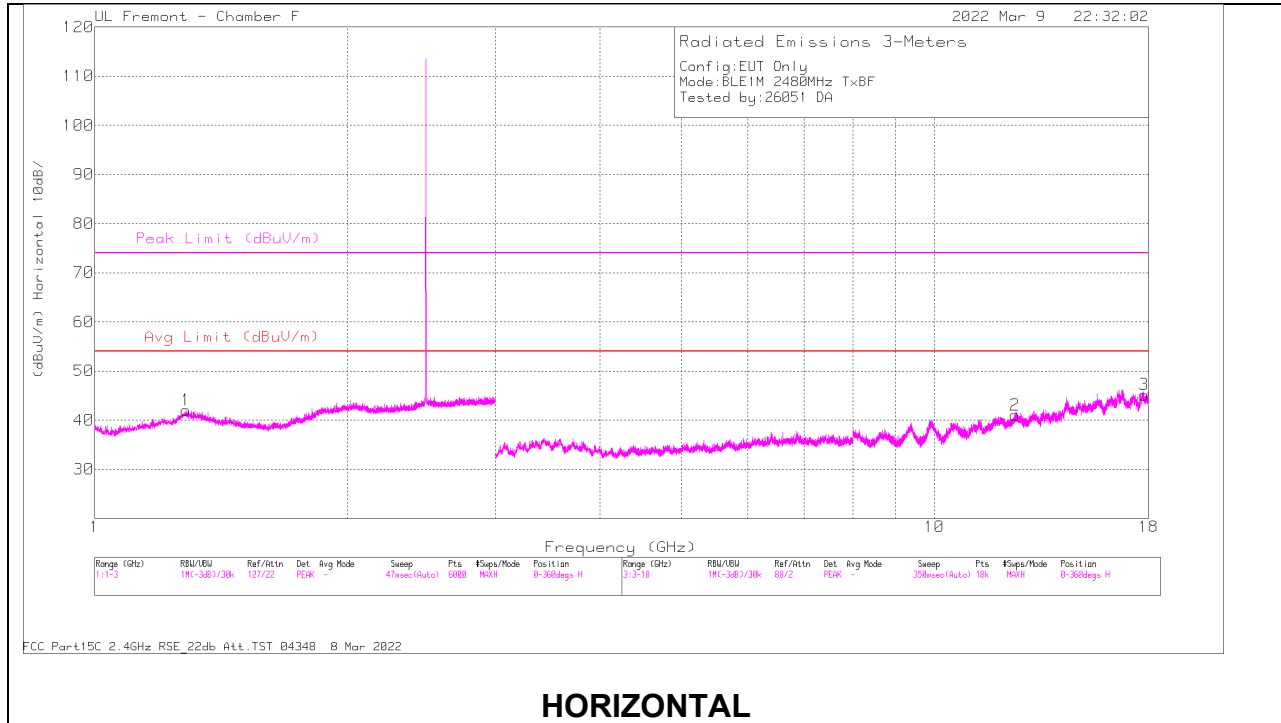
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.312937	60.44	PK2	30.1	-38.8	51.74	-	-	74	-22.26	125	101	H
	* 1.312921	48.53	MAv1	30.1	-38.8	39.83	54	-14.17	-	-	125	101	H
4	* 1.314618	60.31	PK2	30.1	-38.8	51.61	-	-	74	-22.39	220	200	V
	* 1.313608	48.46	MAv1	30.1	-38.8	39.76	54	-14.24	-	-	220	200	V
2	* 12.436581	55.42	PK2	39.4	-44.9	49.92	-	-	74	-24.08	300	101	H
	* 12.43528	43.68	MAv1	39.4	-44.9	38.18	54	-15.82	-	-	300	101	H
3	* 17.751087	58.66	PK2	41.6	-44.8	55.46	-	-	74	-18.54	55	200	H
	* 17.748681	46.44	MAv1	41.6	-44.8	43.24	54	-10.76	-	-	55	200	H
5	* 12.426745	55.48	PK2	39.4	-44.9	49.98	-	-	74	-24.02	175	200	V
	* 12.428095	43.75	MAv1	39.5	-44.9	38.35	54	-15.65	-	-	175	200	V
6	* 17.767615	57.47	PK2	41.6	-45.1	53.97	-	-	74	-20.03	45	200	V
	* 17.765226	46.35	MAv1	41.7	-45	43.05	54	-10.95	-	-	45	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL RESULTS



RADIATED EMISSIONS

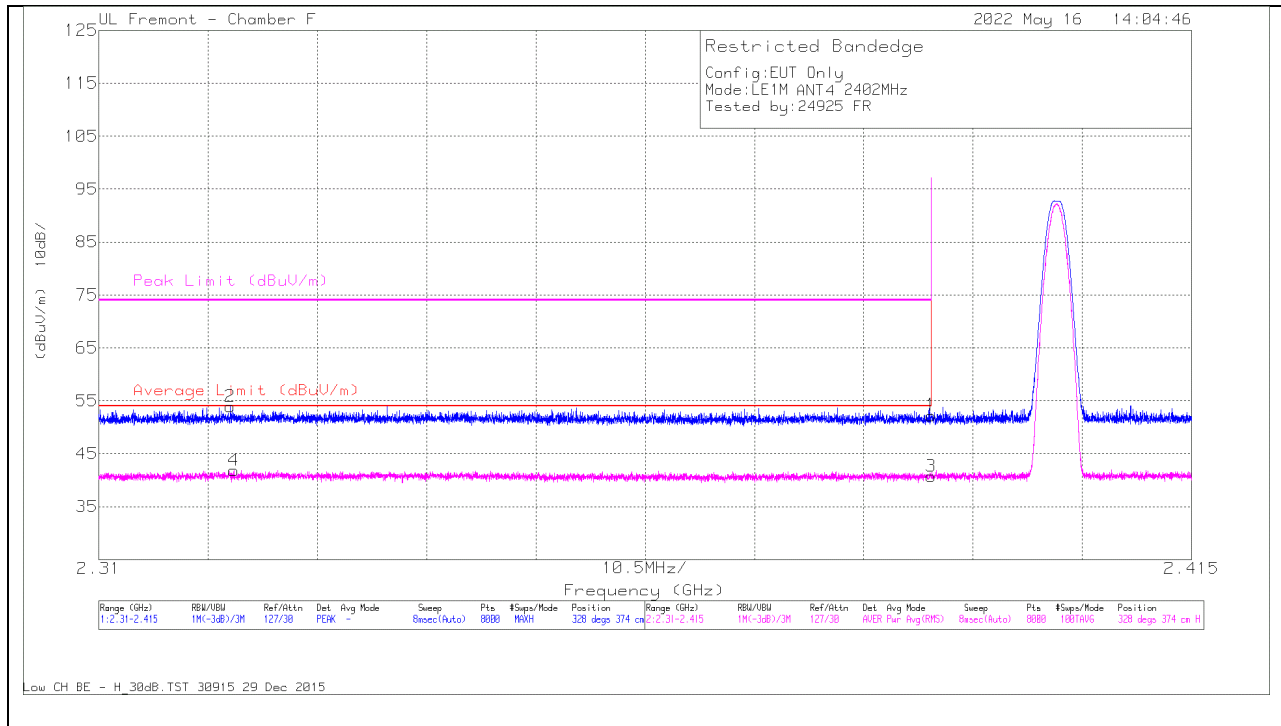
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.284953	59.75	PK2	30.4	-38.9	51.25	-	-	74	-22.75	133	200	H
	* 1.284027	48.36	MAV1	30.4	-39	39.76	54	-14.24	-	-	133	200	H
4	* 1.284105	60.27	PK2	30.4	-39	51.67	-	-	74	-22.33	205	101	V
	* 1.284751	48.43	MAV1	30.4	-38.9	39.93	54	-14.07	-	-	205	101	V
2	* 12.476416	55.98	PK2	39.5	-44.9	50.58	-	-	74	-23.42	320	200	H
	* 12.476553	44.16	MAV1	39.5	-44.9	38.76	54	-15.24	-	-	320	200	H
3	* 17.769248	58.02	PK2	41.6	-45.2	54.42	-	-	74	-19.58	85	101	H
	* 17.770964	46.25	MAV1	41.6	-45.2	42.65	54	-11.35	-	-	85	101	H
5	* 12.46511	56.08	PK2	39.5	-45	50.58	-	-	74	-23.42	225	101	V
	* 12.463908	44.2	MAV1	39.5	-45	38.7	54	-15.3	-	-	225	101	V
6	* 17.743109	57.9	PK2	41.6	-44.9	54.6	-	-	74	-19.4	45	101	V
	* 17.742459	46.22	MAV1	41.6	-44.9	42.92	54	-11.08	-	-	45	101	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

MAV1 - KDB558074 Option 1 Maximum RMS Average

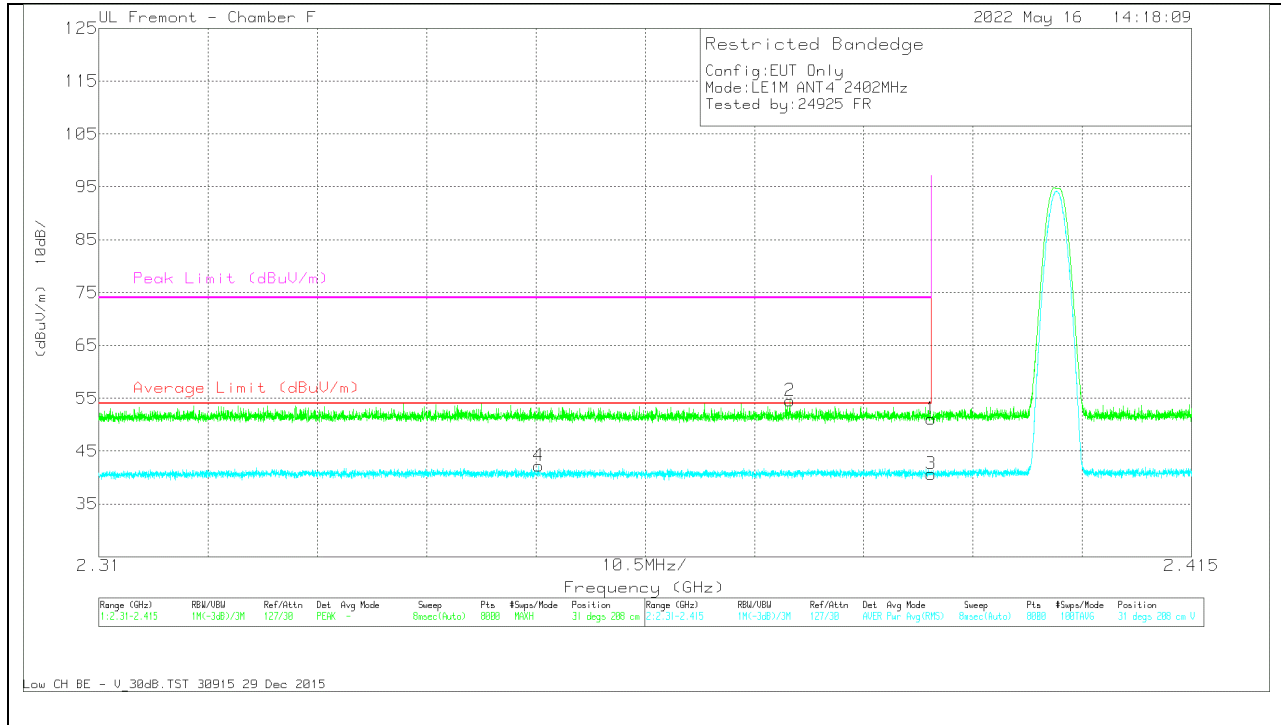
10.2.6. LOW POWER BLE (1Mbps)

ANT 4**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 2.39	59.5	Pk	32.1	-39.4	52.2	-	-	74	-21.8	328	374	H
2	* 2.322602	61.4	Pk	32.1	-39.6	53.9	-	-	74	-20.1	328	374	H
3	* 2.39	48.02	RMS	32.1	-39.4	40.72	54	-13.28	-	-	328	374	H
4	* 2.322969	49.33	RMS	32.1	-39.6	41.83	54	-12.17	-	-	328	374	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
Pk - Peak detector

VERTICAL RESULT

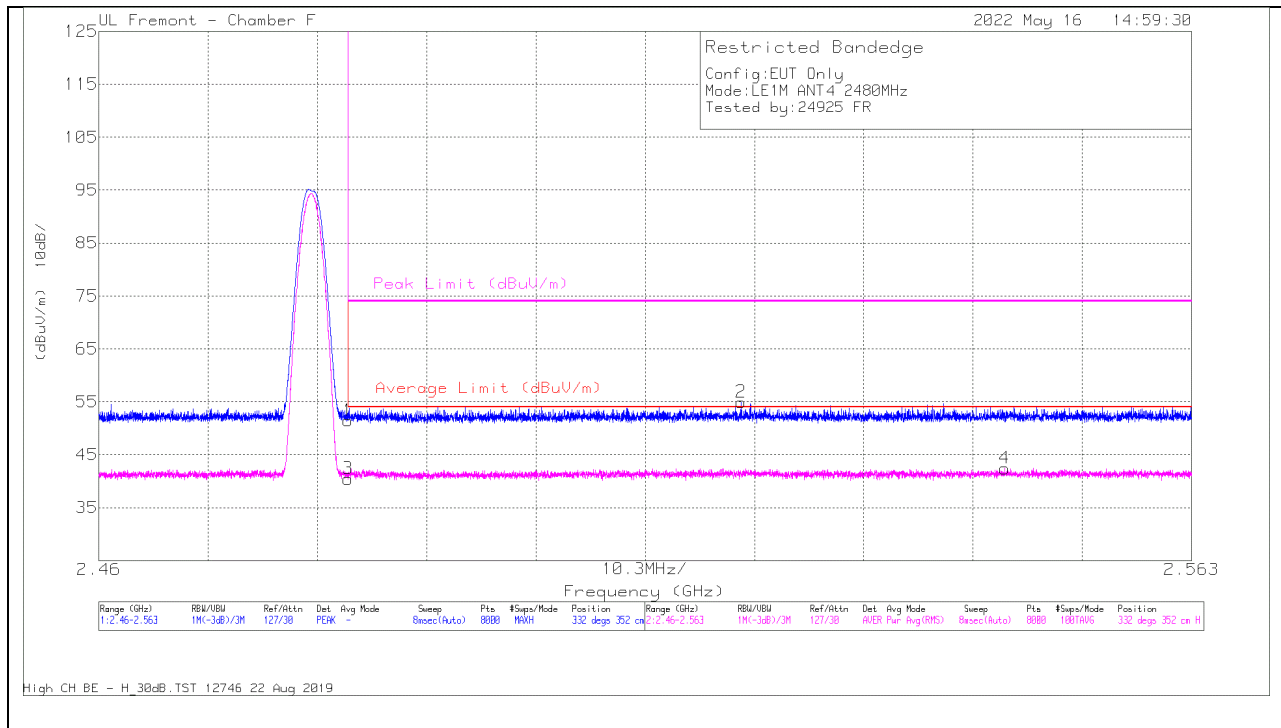


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.4	Pk	32.1	-39.4	51.1	-	-	74	-22.9	31	208	V
2	* 2.376396	62.03	Pk	32	-39.5	54.53	-	-	74	-19.47	31	208	V
3	* 2.39	47.99	RMS	32.1	-39.4	40.69	54	-13.31	-	-	31	208	V
4	* 2.352256	49.72	RMS	32	-39.5	42.22	54	-11.78	-	-	31	208	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

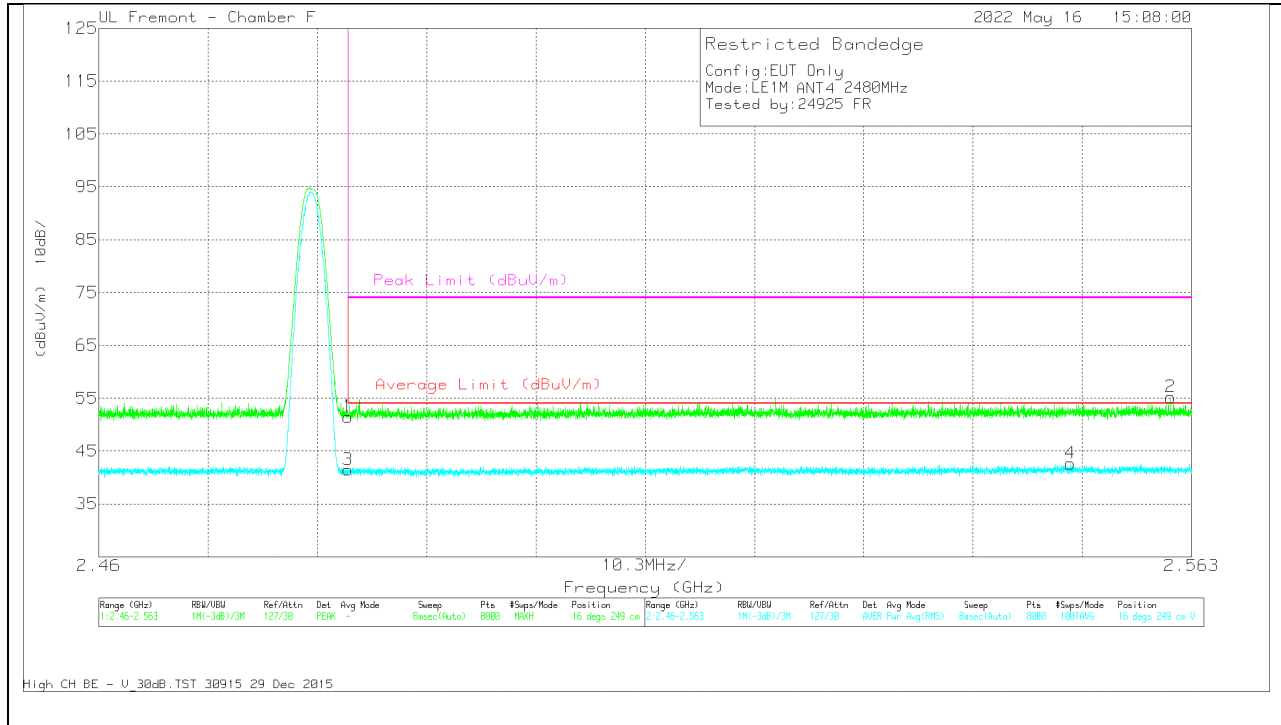
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C b/Filt/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.4835	58.24	Pk	32.3	-39.1	51.44	-	-	74	-22.56	332	352	H
2	2.520561	61.51	Pk	32.4	-39	54.91	-	-	74	-19.09	332	352	H
3	* 2.4835	47.24	RMS	32.3	-39.1	40.44	54	-13.56	-	-	332	352	H
4	2.545375	49.01	RMS	32.4	-39	42.41	54	-11.59	-	-	332	352	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

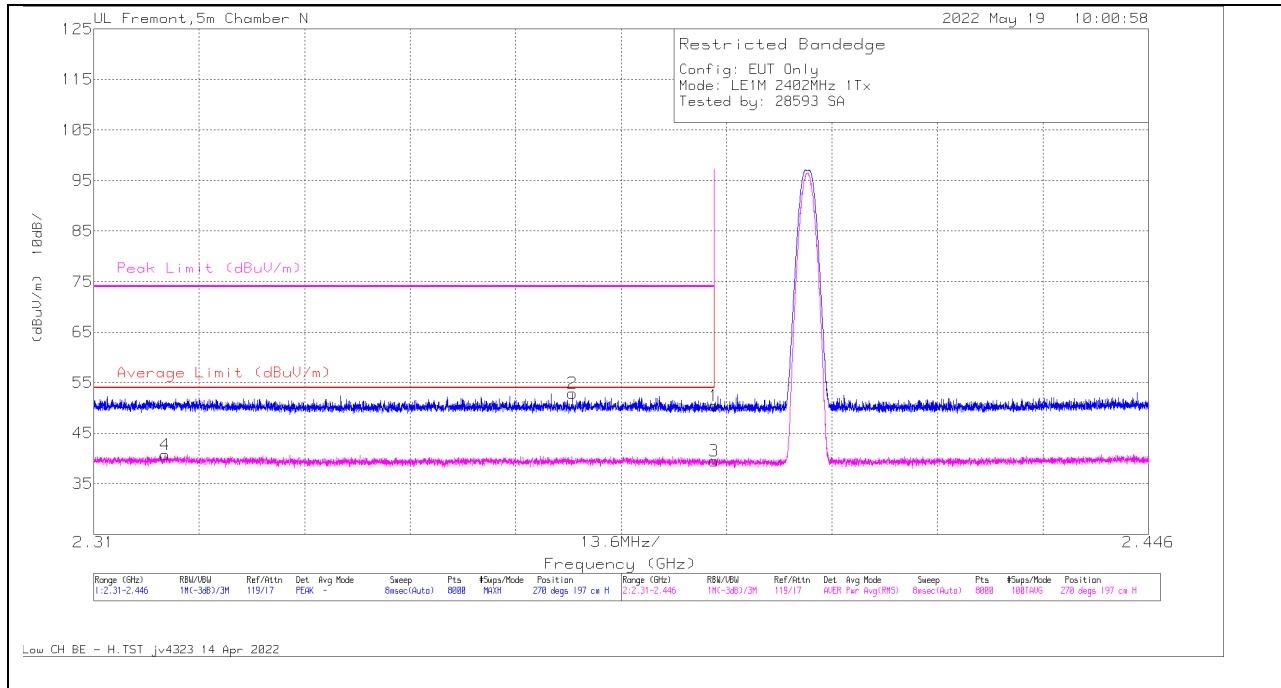


Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	81887 ACF (dB)	Amp/Cb/Filtr/Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.26	Pk	32.3	-39.1	51.46	-	-	74	-22.54	16	249	V
2	2.56102	61.81	Pk	32.4	-39	55.21	-	-	74	-18.79	16	249	V
3	* 2.4835	48.26	RMS	32.3	-39.1	41.46	54	-12.54	-	-	16	249	V
4	2.551594	49.25	RMS	32.4	-39	42.65	54	-11.35	-	-	16	249	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

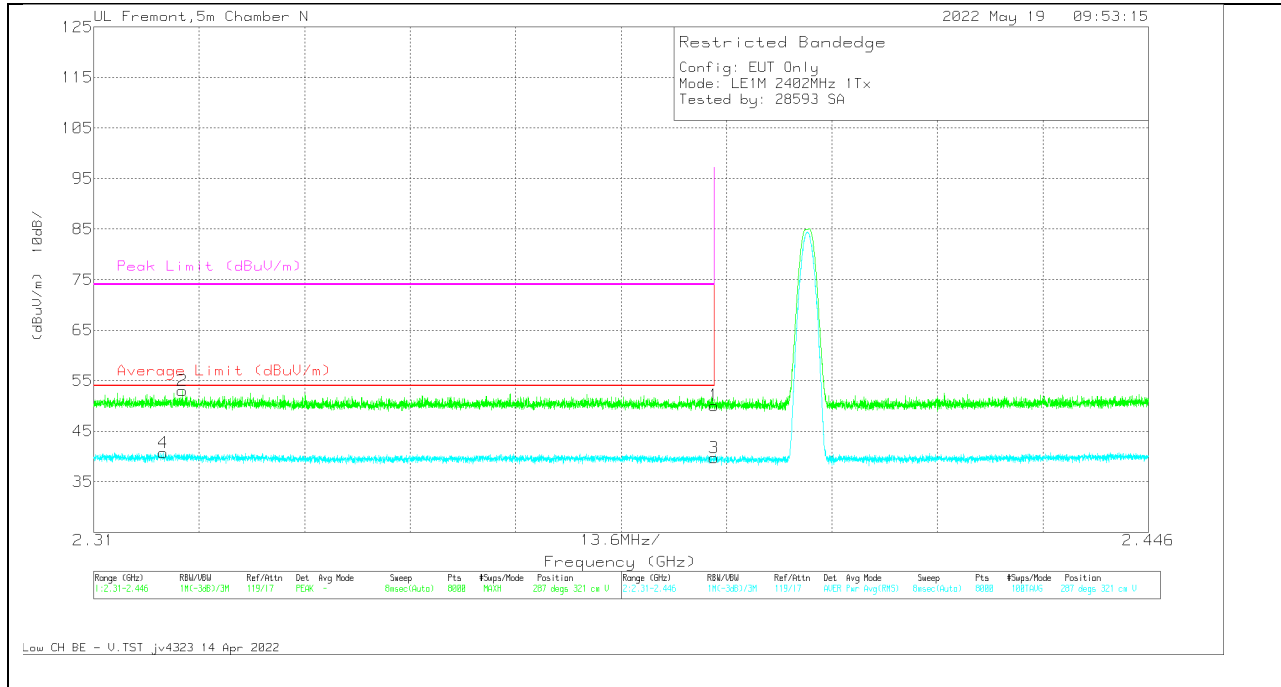
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	61.03	Pk	31.8	-42.4	50.43	-	-	74	-23.57	270	197	H
2	* 2.371751	63.4	Pk	31.9	-42.4	52.9	-	-	74	-21.1	270	197	H
3	* 2.39	50.07	RMS	31.8	-42.4	39.47	54	-14.53	-	-	270	197	H
4	* 2.319232	51.48	RMS	31.9	-42.6	40.78	54	-13.22	-	-	270	197	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

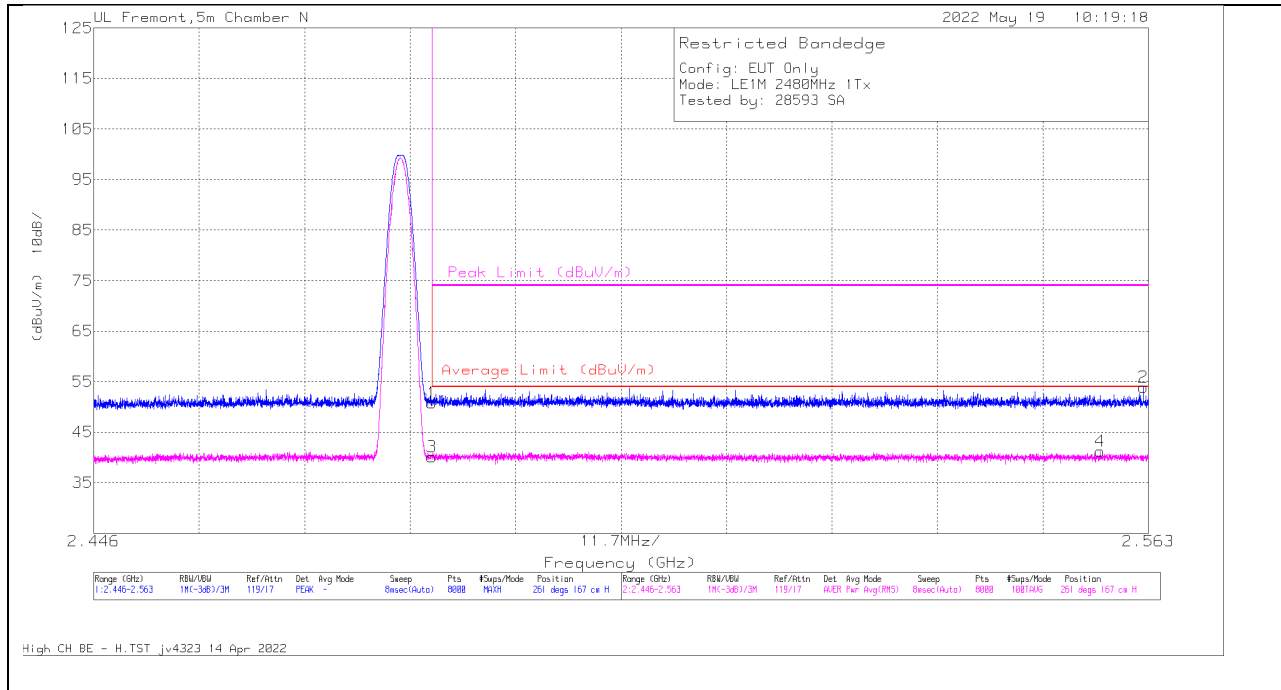


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.7	Pk	31.8	-42.4	50.1	-	-	74	-23.9	287	321	V
2	* 2.321425	63.67	Pk	31.9	-42.5	53.07	-	-	74	-20.93	287	321	V
3	* 2.39	50.3	RMS	31.8	-42.4	39.7	54	-14.3	-	-	287	321	V
4	* 2.31896	51.46	RMS	31.9	-42.6	40.76	54	-13.24	-	-	287	321	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

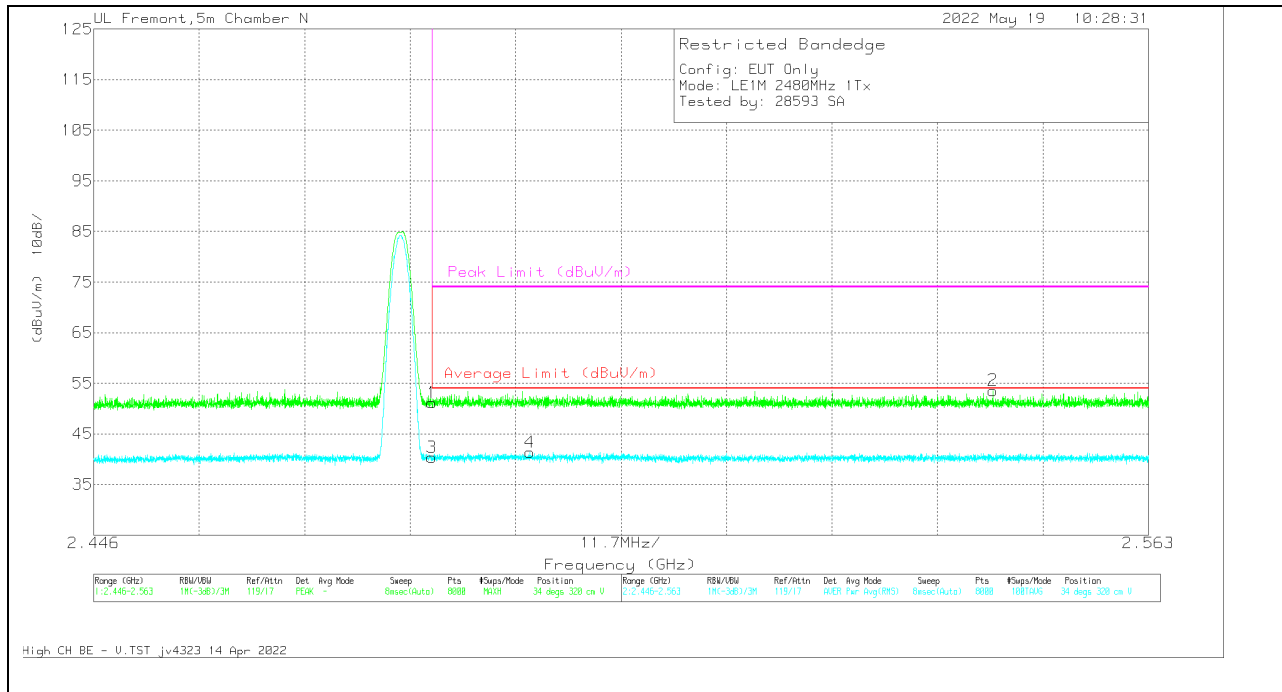
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.37	Pk	32.6	-42.2	50.77	-	-	74	-23.23	261	167	H
3	* 2.4835	49.72	RMS	32.6	-42.2	40.12	54	-13.88	-	-	261	167	H
4	2.557648	50.65	RMS	32.6	-42	41.25	54	-12.75	-	-	261	167	H
2	2.56246	63.07	Pk	32.6	-41.8	53.87	-	-	74	-20.13	261	167	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.78	Pk	32.6	-42.2	51.18	-	-	74	-22.82	34	320	V
3	* 2.4835	50.01	RMS	32.6	-42.2	40.41	54	-13.59	-	-	34	320	V
4	* 2.494371	50.77	RMS	32.7	-42.1	41.37	54	-12.63	-	-	34	320	V
2	2.545742	62.98	Pk	32.6	-42	53.58	-	-	74	-20.42	34	320	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

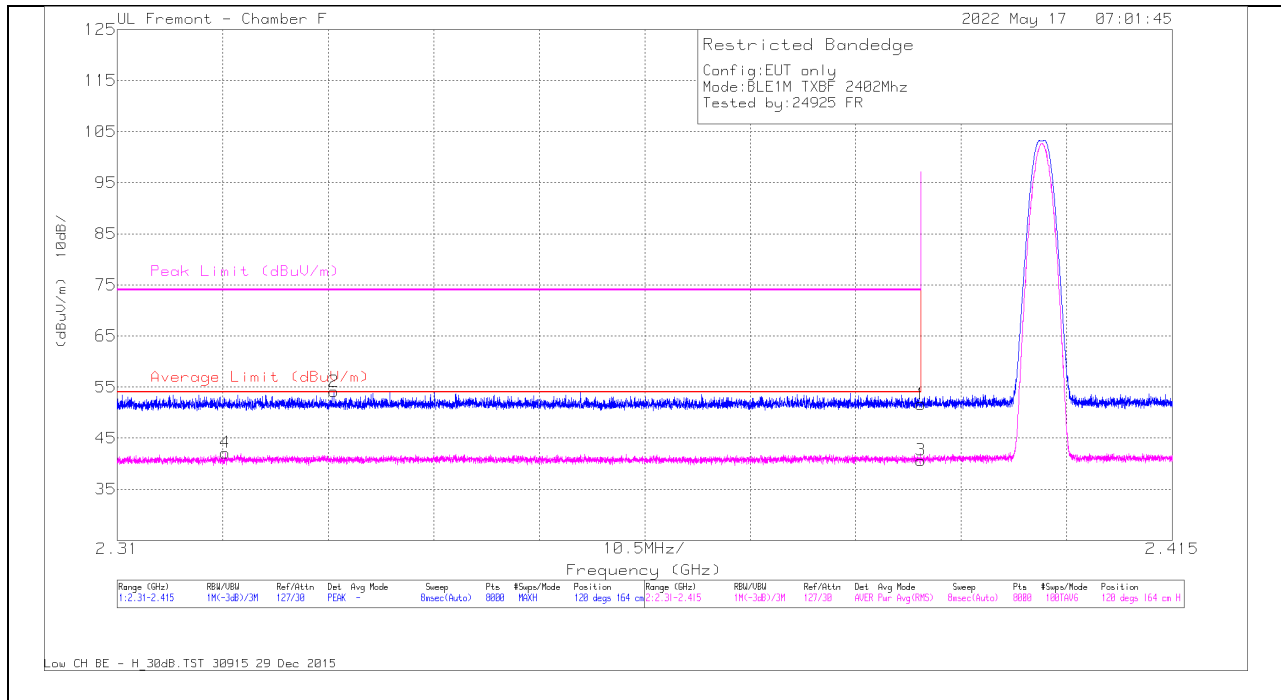
Pk - Peak detector

RMS - RMS detection

10.2.7. LOW POWER BLE TXBF (1Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



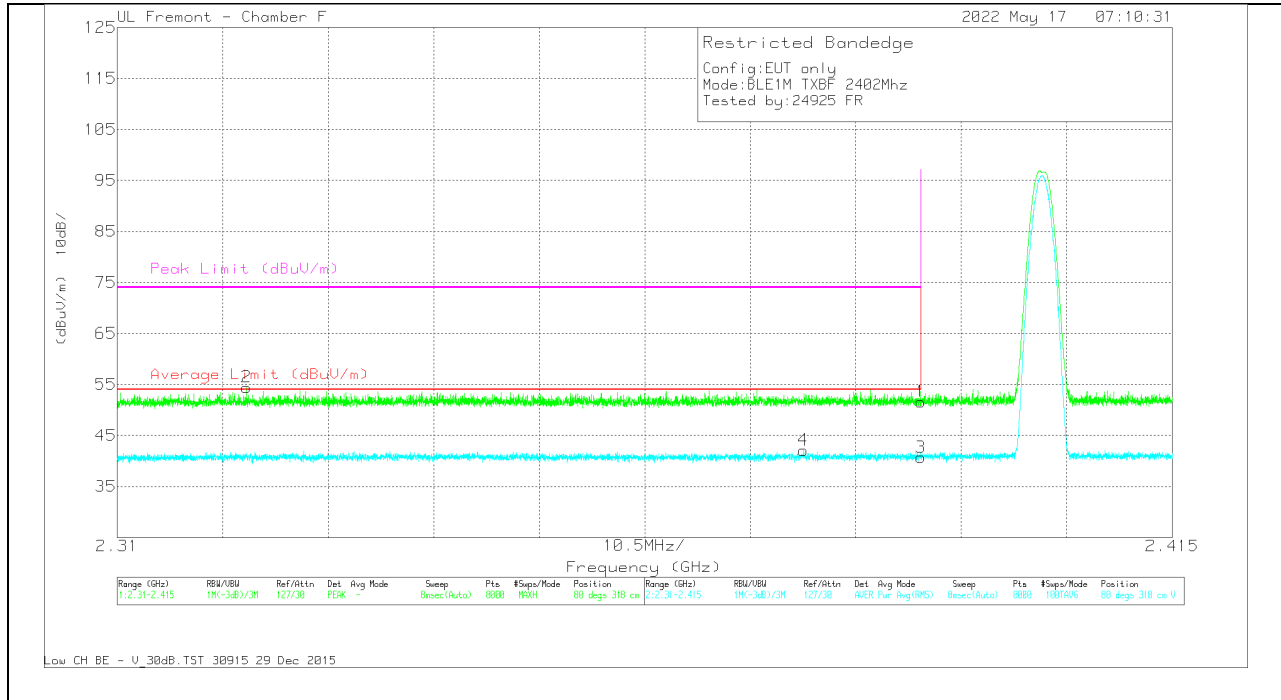
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.95	Pk	32.1	-39.4	51.65	-	-	74	-22.35	120	164	H
2	* 2.331568	61.73	Pk	32	-39.6	54.13	-	-	74	-19.87	120	164	H
3	* 2.39	47.97	RMS	32.1	-39.4	40.67	54	-13.33	-	-	120	164	H
4	* 2.320751	49.64	RMS	32.1	-39.6	42.14	54	-11.86	-	-	120	164	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

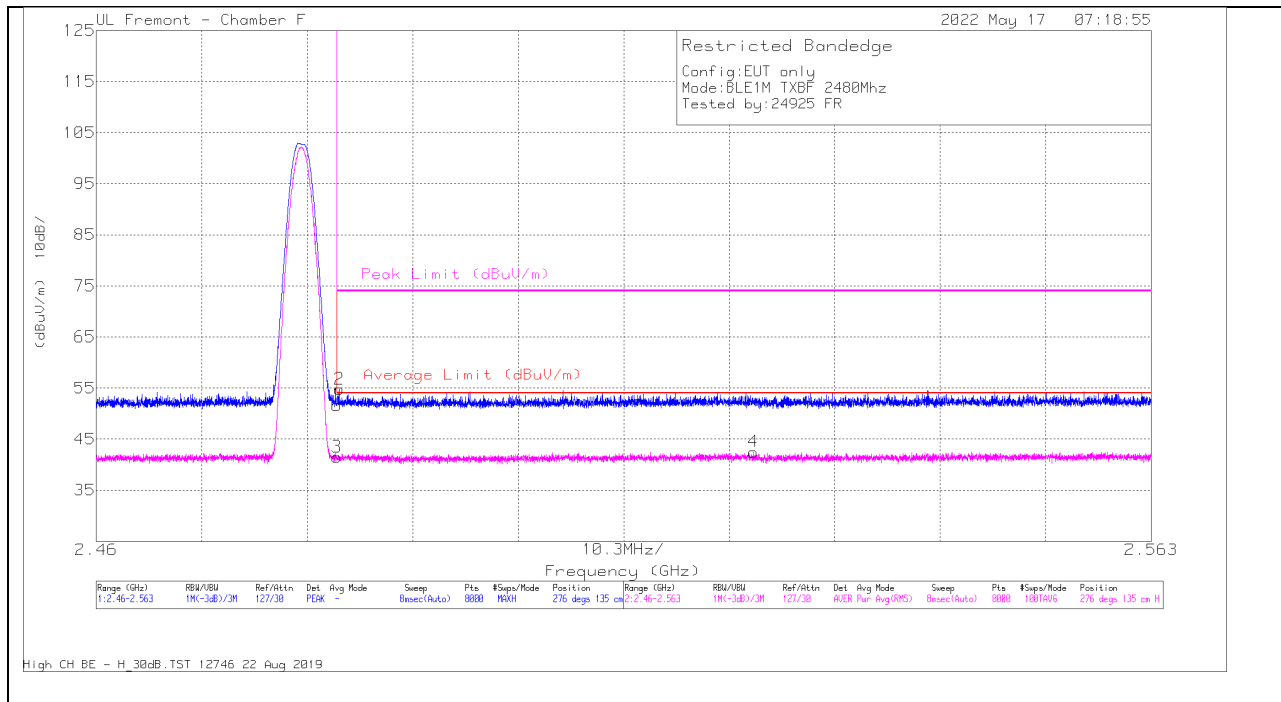


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.93	Pk	32.1	-39.4	51.63	-	-	74	-22.37	80	318	V
2	* 2.322878	61.96	Pk	32.1	-39.6	54.46	-	-	74	-19.54	80	318	V
3	* 2.39	48.03	RMS	32.1	-39.4	40.73	54	-13.27	-	-	80	318	V
4	* 2.3783	49.53	RMS	32	-39.4	42.13	54	-11.87	-	-	80	318	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

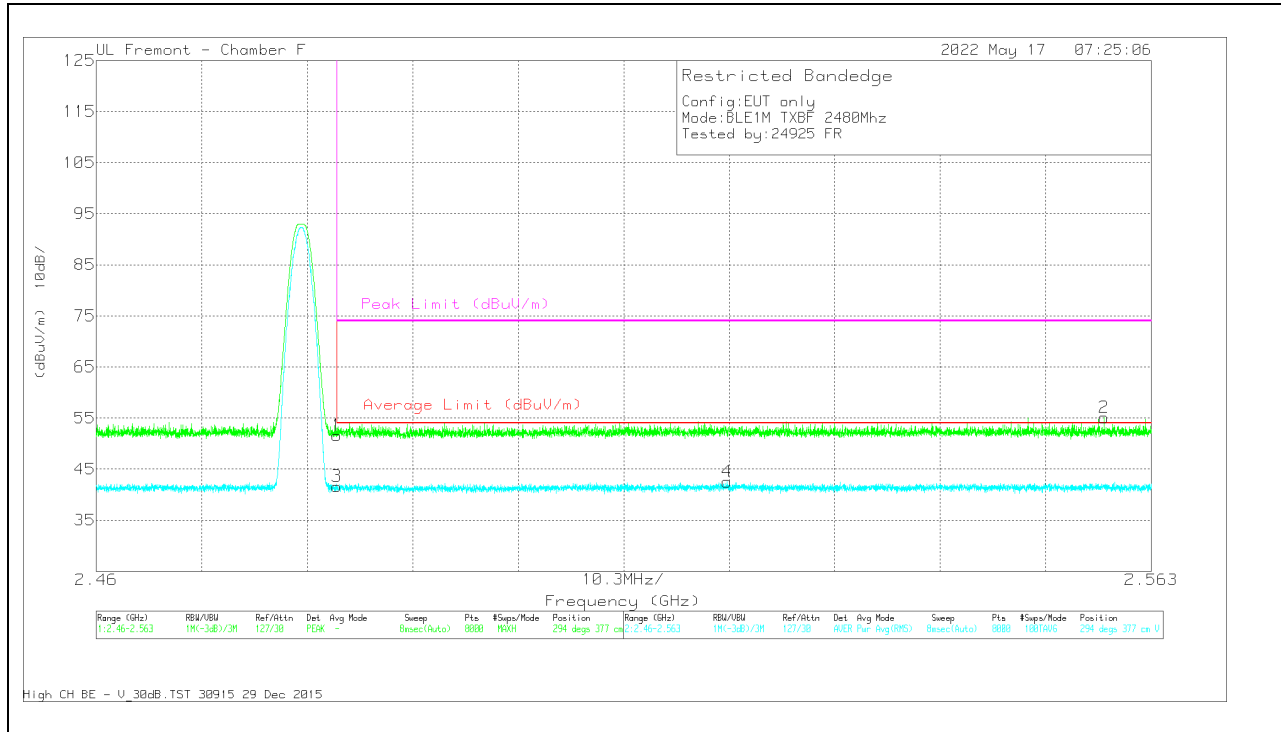
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C b/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.43	Pk	32.3	-39.1	51.63	-	-	74	-22.37	276	135	H
2	* 2.483732	61.58	Pk	32.3	-39.1	54.78	-	-	74	-19.22	276	135	H
3	* 2.4835	48.29	RMS	32.3	-39.1	41.49	54	-12.51	-	-	276	135	H
4	2.524153	49.21	RMS	32.3	-39	42.51	54	-11.49	-	-	276	135	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



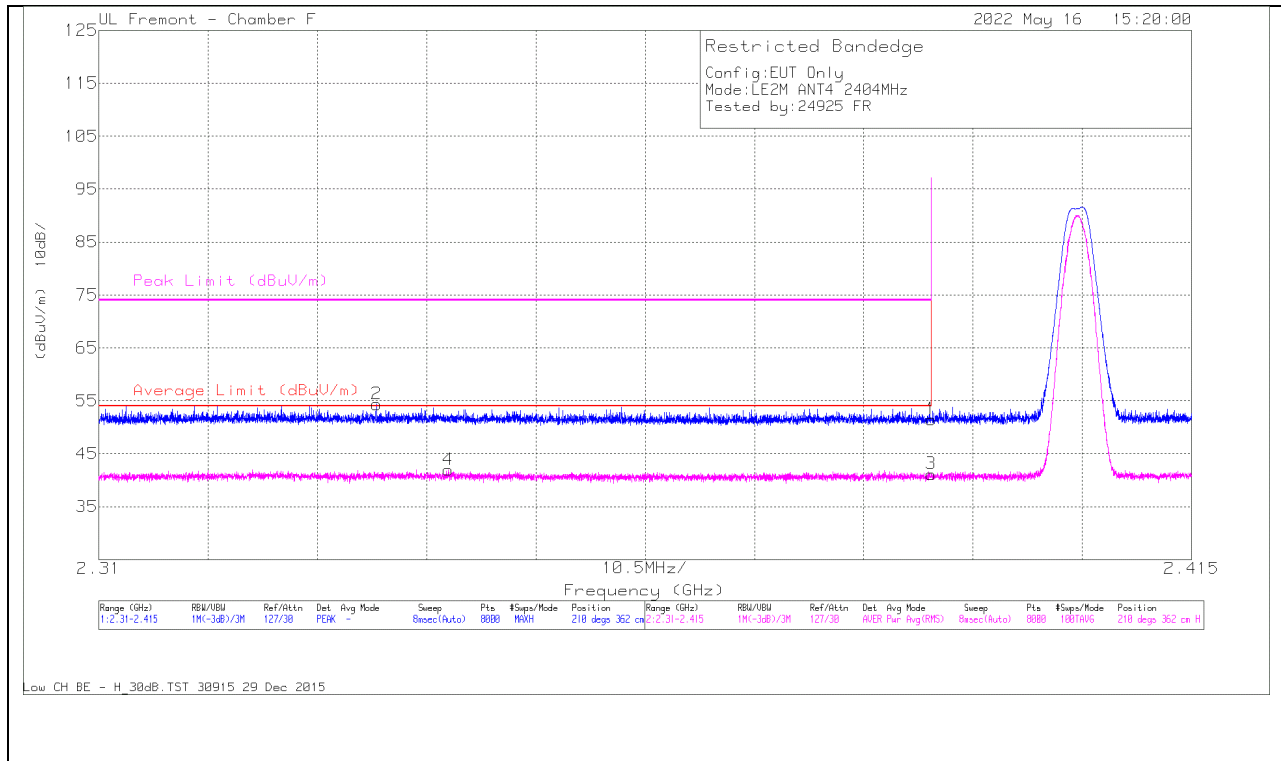
Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.4835	58.4	Pk	32.3	-39.1	51.6	-	-	74	-22.4	294	377	V
2	2.558406	61.59	Pk	32.4	-38.9	55.09	-	-	74	-18.91	294	377	V
3	* 2.4835	48.43	RMS	32.3	-39.1	41.63	54	-12.37	-	-	294	377	V
4	2.521604	49.23	RMS	32.3	-39	42.53	54	-11.47	-	-	294	377	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.2.8. LOW POWER BLE (2Mbps)

ANT 4**BANDEGE (LOW CHANNEL)****HORIZONTAL RESULT**

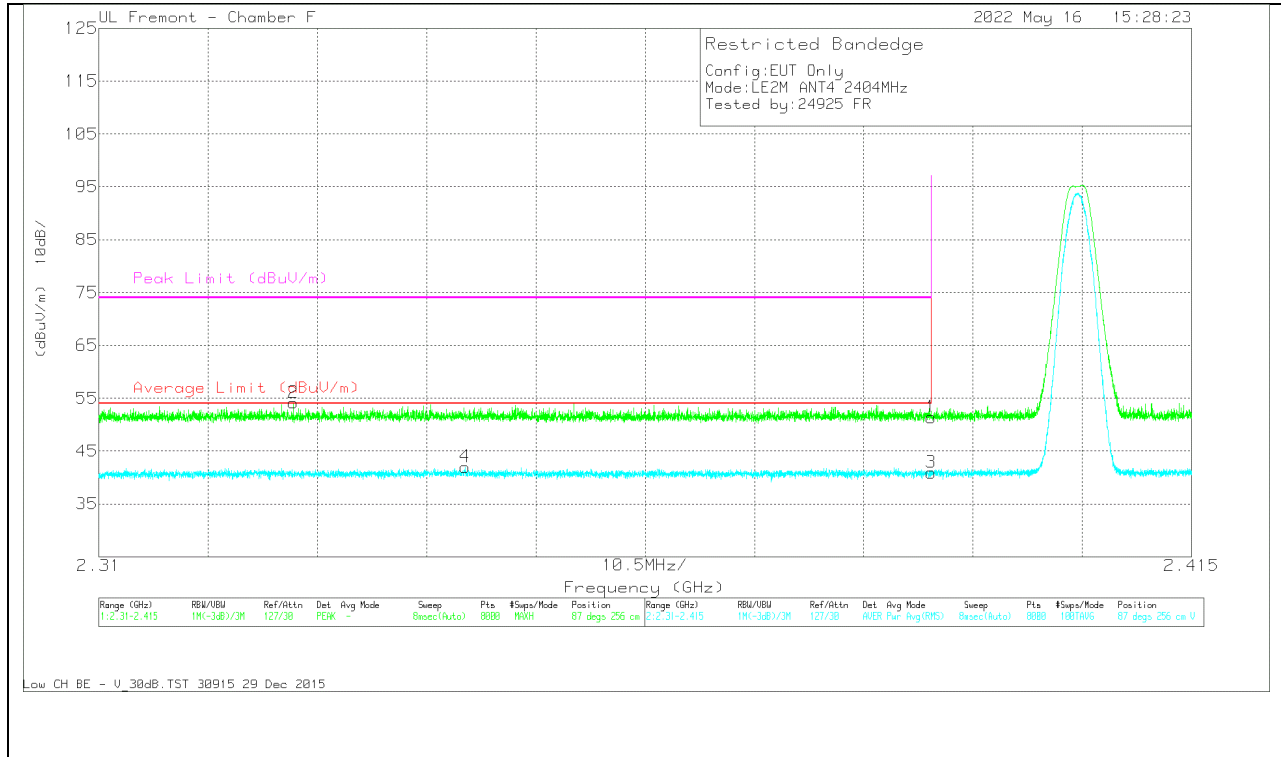
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.8	Pk	32.1	-39.4	51.5	-	-	74	-22.5	210	362	H
2	* 2.336674	61.86	Pk	32	-39.5	54.36	-	-	74	-19.64	210	362	H
3	* 2.39	48.46	RMS	32.1	-39.4	41.16	54	-12.84	-	-	210	362	H
4	* 2.343579	49.34	RMS	32.1	-39.5	41.94	54	-12.06	-	-	210	362	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

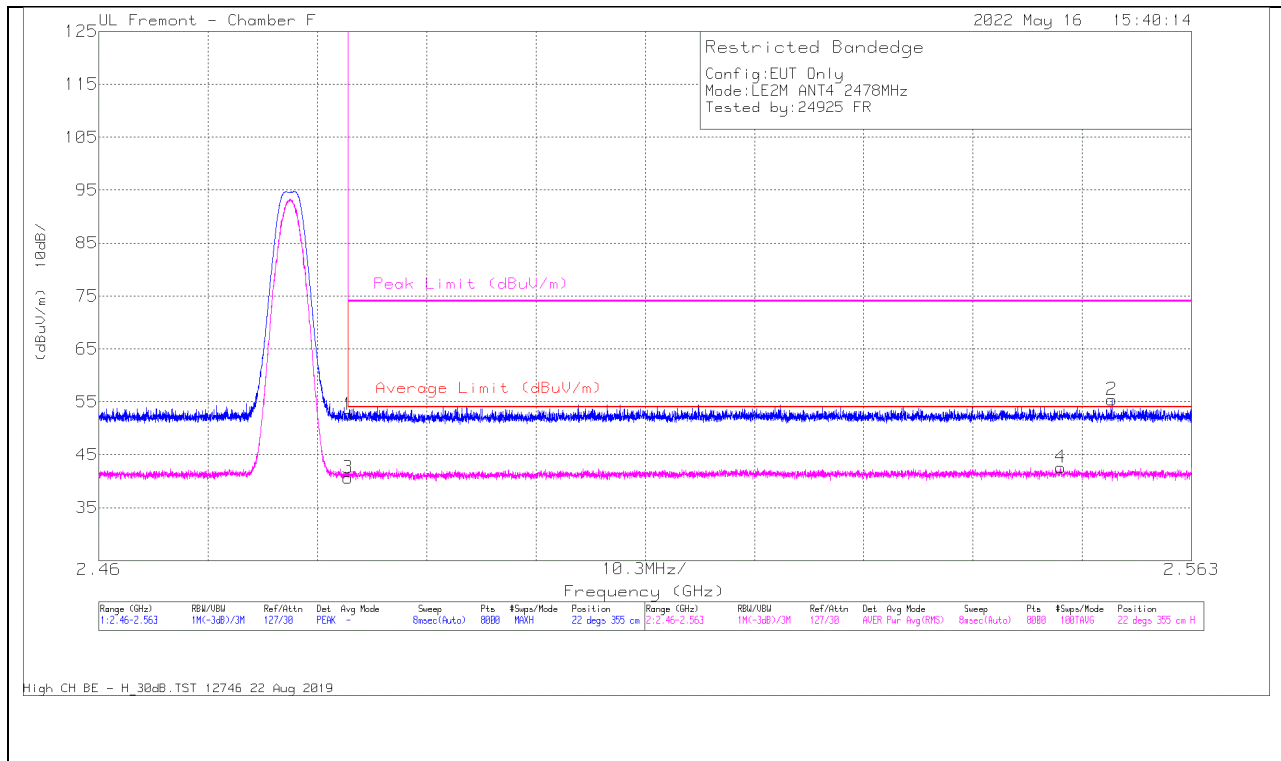


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.7	Pk	32.1	-39.4	51.4	-	-	74	-22.6	87	256	V
2	* 2.328693	61.74	Pk	32	-39.6	54.14	-	-	74	-19.86	87	256	V
3	* 2.39	48.22	RMS	32.1	-39.4	40.92	54	-13.08	-	-	87	256	V
4	* 2.34518	49.3	RMS	32.1	-39.4	42	54	-12	-	-	87	256	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

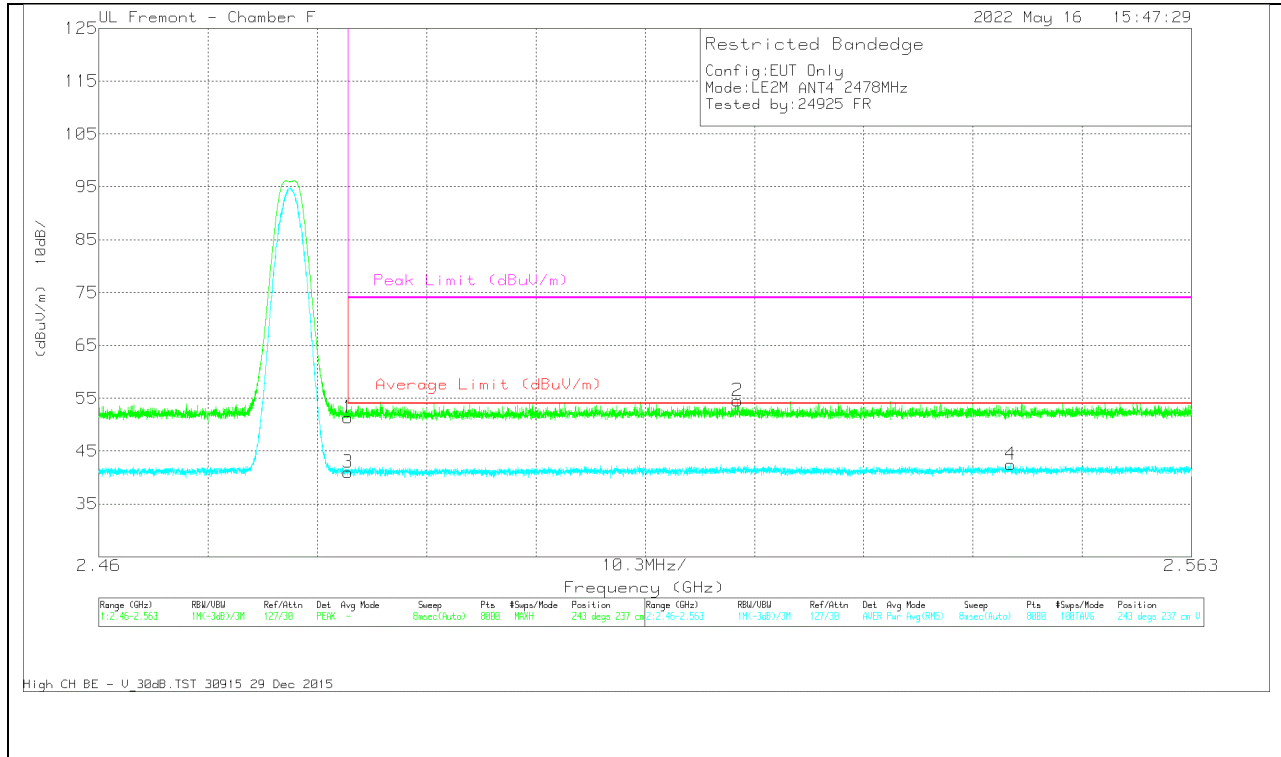
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.37	Pk	32.3	-39.1	52.57	-	-	74	-21.43	22	355	H
2	2.555483	62.12	Pk	32.4	-39.1	55.42	-	-	74	-18.58	22	355	H
3	* 2.4835	47.44	RMS	32.3	-39.1	40.64	54	-13.36	-	-	22	355	H
4	2.550667	49.22	RMS	32.4	-39	42.62	54	-11.38	-	-	22	355	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

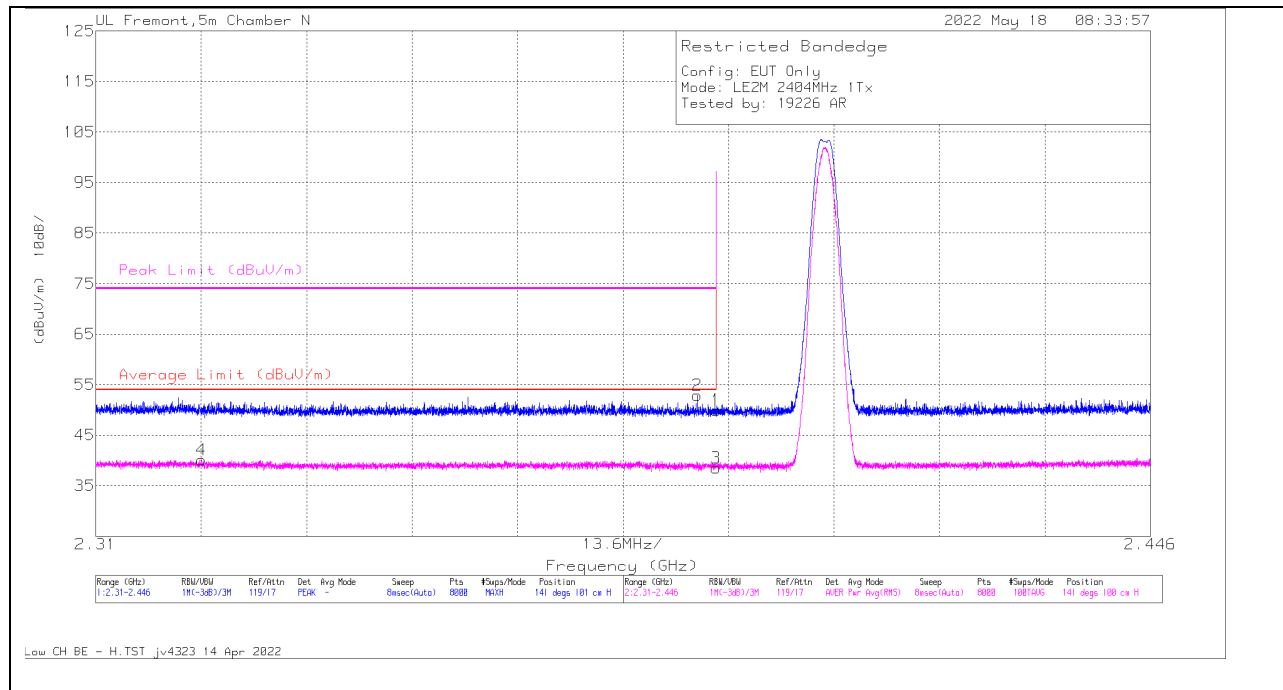


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	58.17	Pk	32.3	-39.1	51.37	-	-	74	-22.63	243	237	V
2	2.5202	61.14	Pk	32.4	-39	54.54	-	-	74	-19.46	243	237	V
3	* 2.4835	47.79	RMS	32.3	-39.1	40.99	54	-13.01	-	-	243	237	V
4	2.545954	49.1	RMS	32.4	-39	42.5	54	-11.5	-	-	243	237	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

ANT 3**BANDEDGE (LOW CHANNEL)****HORIZONTAL RESULT**

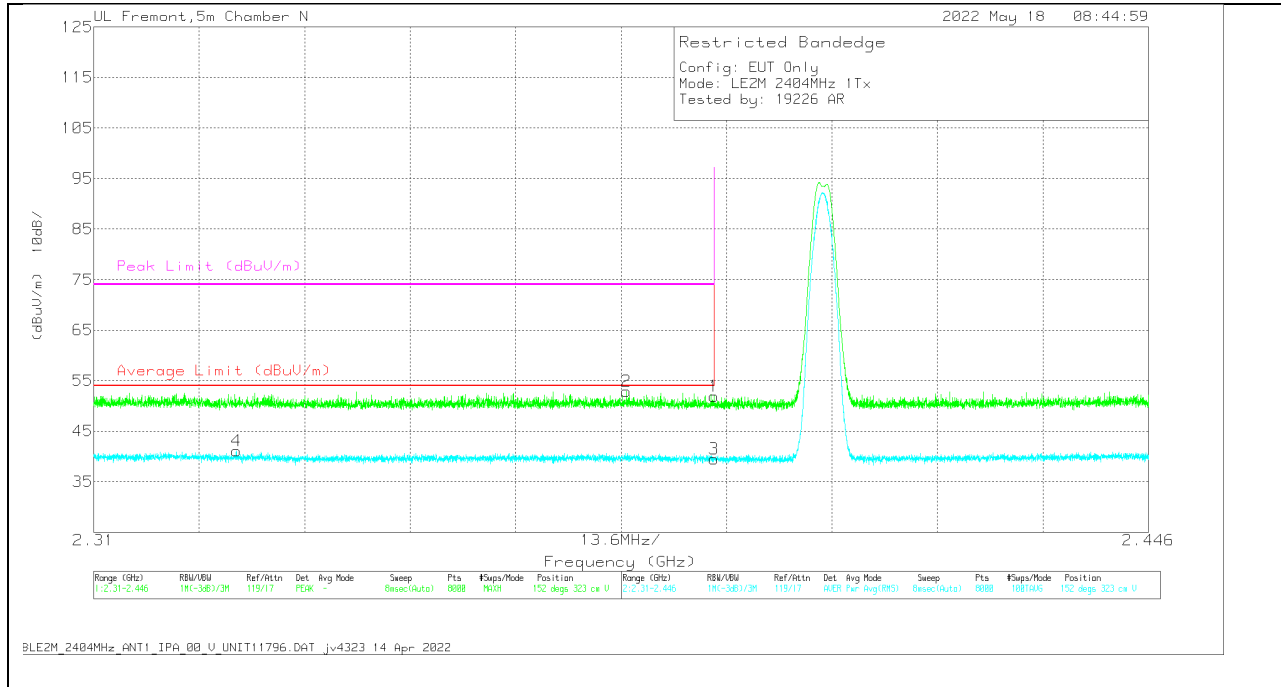
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	60.58	Pk	31.8	-42.4	49.98	-	-	74	-24.02	141	101	H
2	* 2.387563	63.45	Pk	31.8	-42.4	52.85	-	-	74	-21.15	141	101	H
3	* 2.39	49.1	RMS	31.8	-42.4	38.5	54	-15.5	-	-	141	100	H
4	* 2.323636	50.83	RMS	31.9	-42.6	40.13	54	-13.87	-	-	141	100	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

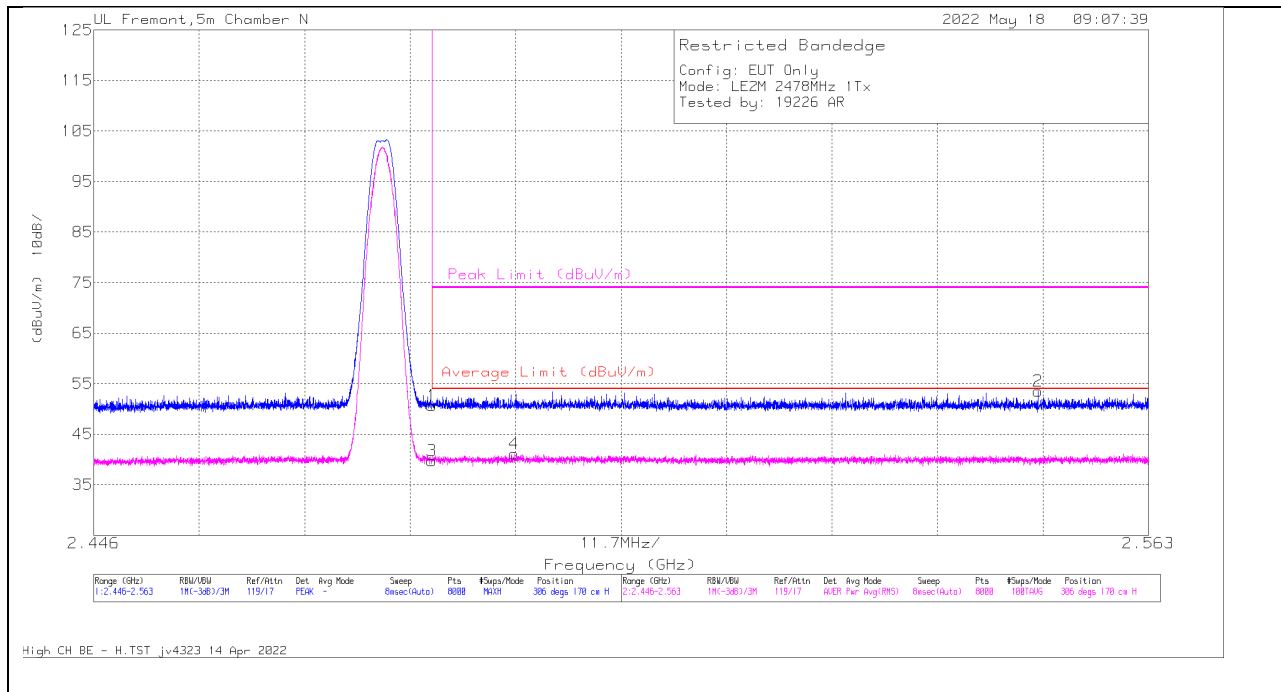


Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	62.45	PK	31.8	-42.4	51.85	-	-	74	-22.15	152	323	V
2	* 2.378705	63.42	PK	31.9	-42.4	52.92	-	-	74	-21.08	152	323	V
3	* 2.39	50.06	RMS	31.8	-42.4	39.46	54	-14.54	-	-	152	323	V
4	* 2.328379	51.86	RMS	31.9	-42.7	41.06	54	-12.94	-	-	152	323	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

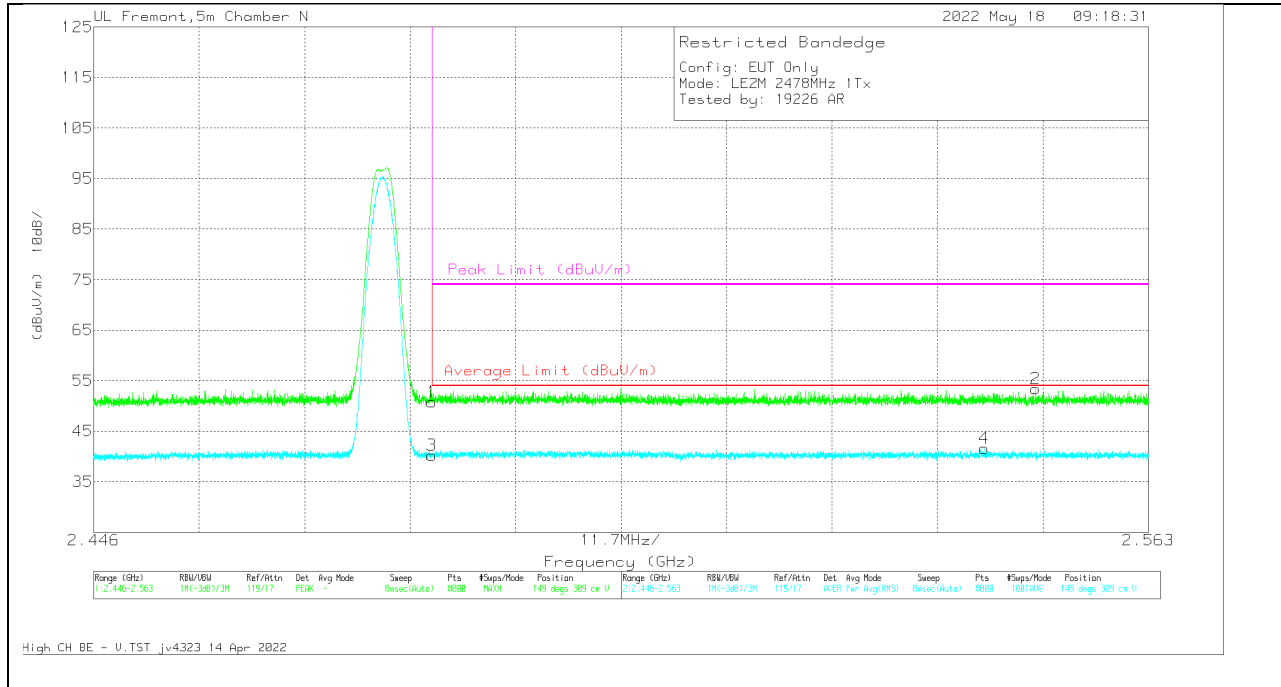
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.29	Pk	32.6	-42.2	50.69	-	-	74	-23.31	306	170	H
3	* 2.4835	49.36	RMS	32.6	-42.2	39.76	54	-14.24	-	-	306	170	H
4	* 2.49266	50.41	RMS	32.7	-42	41.11	54	-12.89	-	-	306	170	H
2	2.550744	62.84	Pk	32.6	-41.9	53.54	-	-	74	-20.46	306	170	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF 84796 (dB/m)	Amp/Cb I/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	60.38	Pk	32.6	-42.2	50.78	-	-	74	-23.22	149	309	V
3	* 2.4835	49.83	RMS	32.6	-42.2	40.23	54	-13.77	-	-	149	309	V
4	2.544762	51.02	RMS	32.6	-42	41.62	54	-12.38	-	-	149	309	V
2	2.55051	62.73	Pk	32.6	-41.9	53.43	-	-	74	-20.57	149	309	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

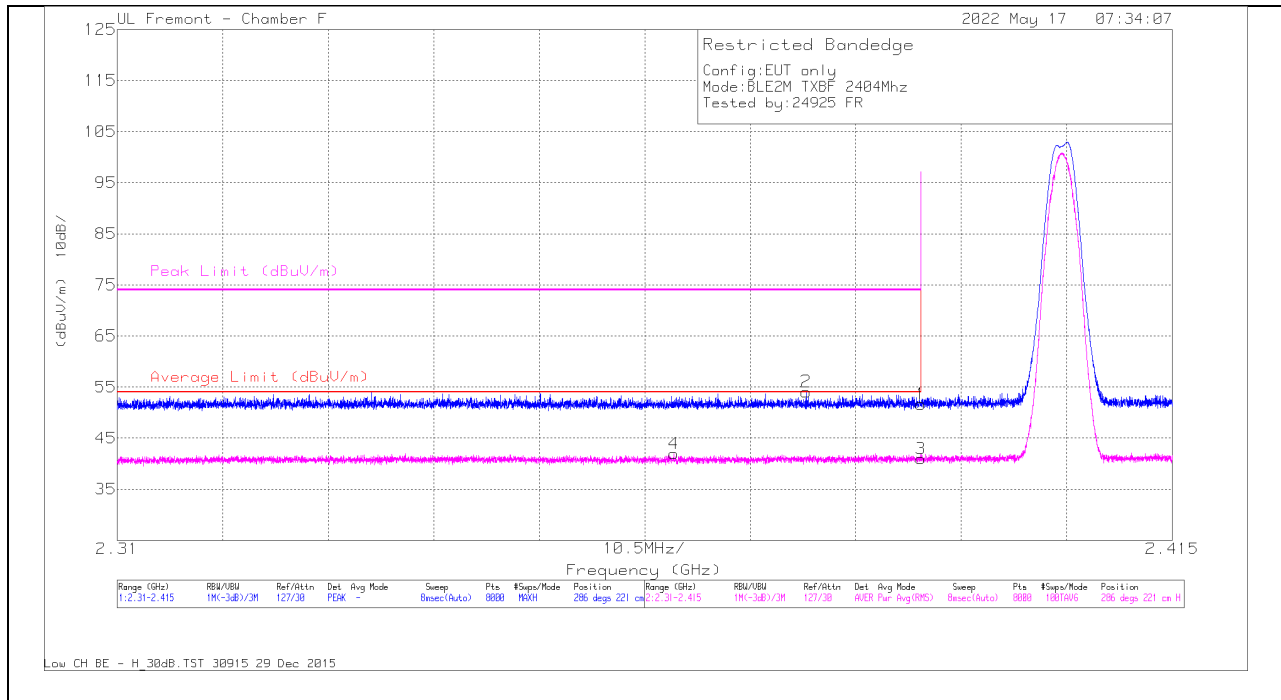
Pk - Peak detector

RMS - RMS detection

10.2.9. LOW POWER BLE TXBF (2Mbps)

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



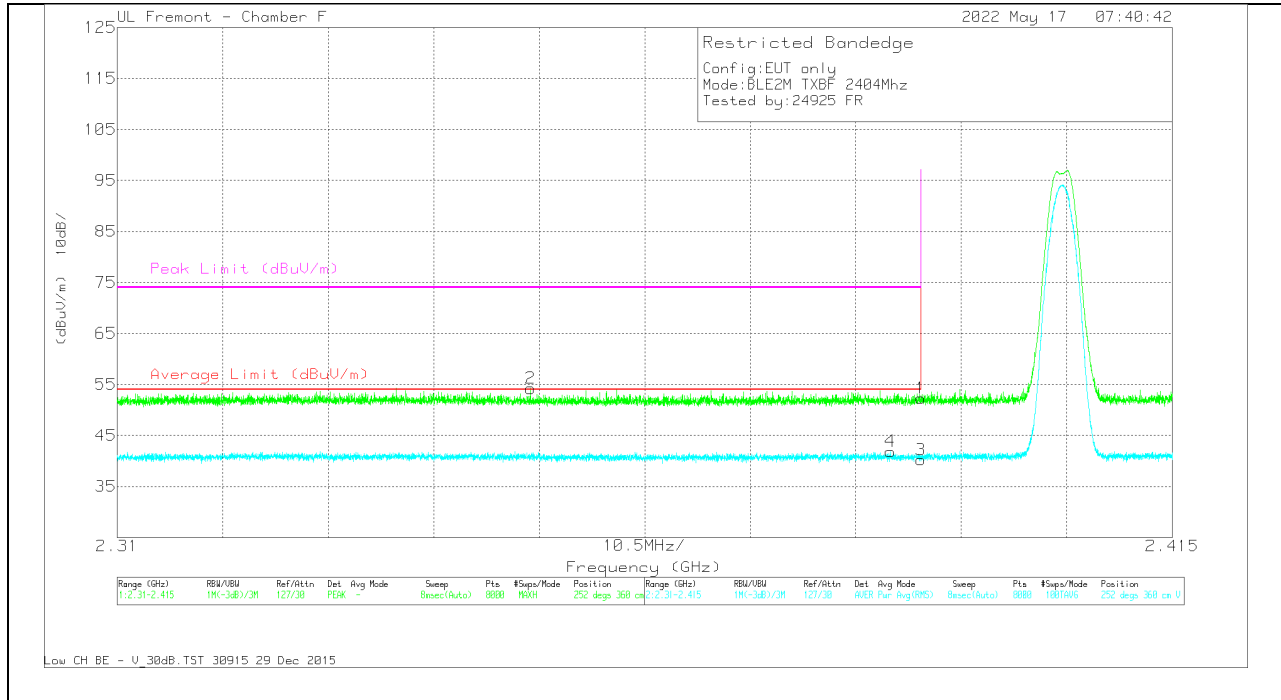
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/Cbl/Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	58.95	Pk	32.1	-39.4	51.65	-	-	74	-22.35	286	221	H
2	* 2.378562	61.47	Pk	32	-39.4	54.07	-	-	74	-19.93	286	221	H
3	* 2.39	48.25	RMS	32.1	-39.4	40.95	54	-13.05	-	-	286	221	H
4	* 2.365383	49.43	RMS	32	-39.5	41.93	54	-12.07	-	-	286	221	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT

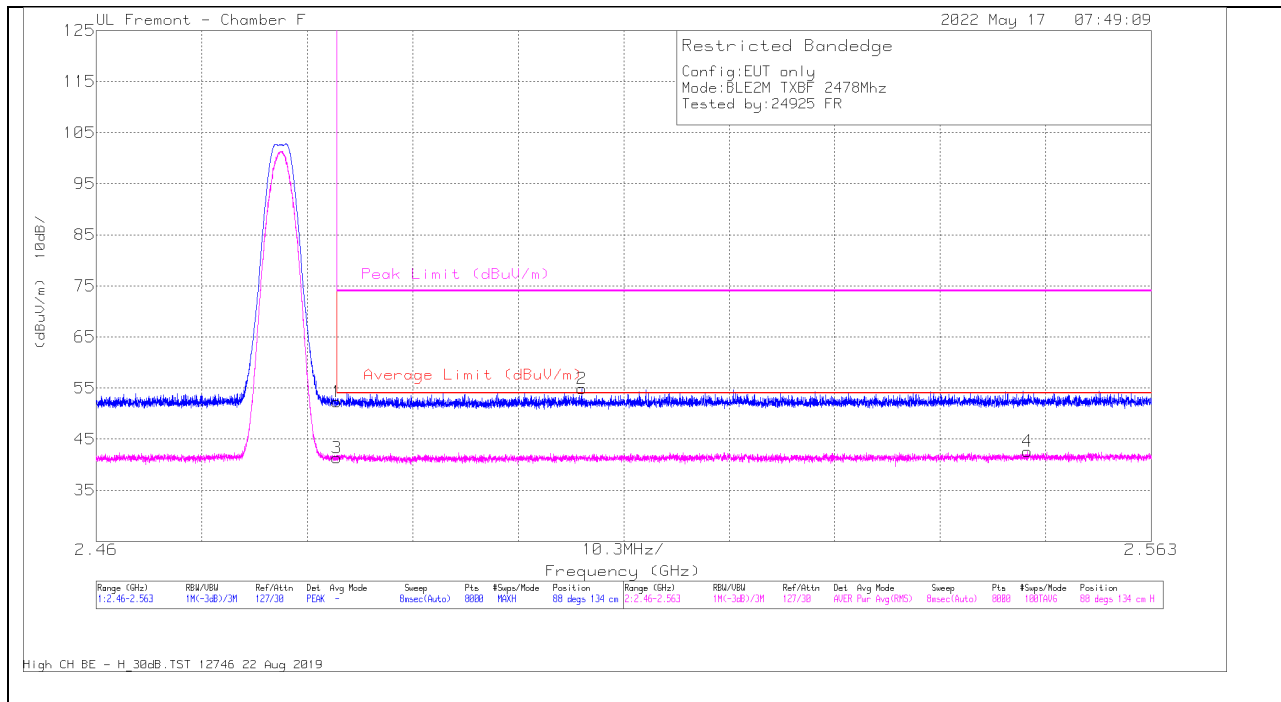


Marker	Frequency (GHz)	Meter Reading (dBUV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBUV/m)	Average Limit (dBUV/m)	Margin (dB)	Peak Limit (dBUV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.39	59.59	Pk	32.1	-39.4	52.29	-	-	74	-21.71	252	360	V
2	* 2.35114	61.84	Pk	32	-39.6	54.24	-	-	74	-19.76	252	360	V
3	* 2.39	47.54	RMS	32.1	-39.4	40.24	54	-13.76	-	-	252	360	V
4	* 2.38695	49.28	RMS	32	-39.4	41.88	54	-12.12	-	-	252	360	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL)**HORIZONTAL RESULT**

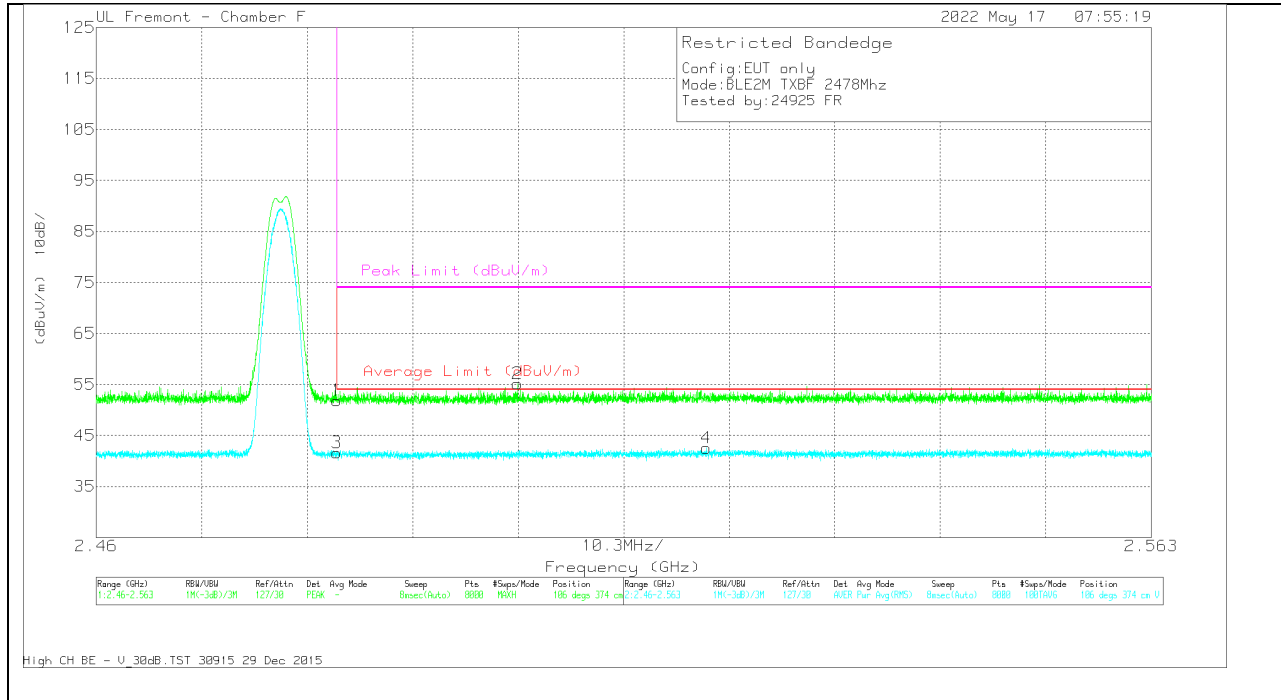
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.4835	59.09	Pk	32.3	-39.1	52.29	-	-	74	-21.71	88	134	H
2	2.507413	61.69	Pk	32.3	-39.1	54.89	-	-	74	-19.11	88	134	H
3	* 2.4835	48.13	RMS	32.3	-39.1	41.33	54	-12.67	-	-	88	134	H
4	2.550912	49.2	RMS	32.4	-39	42.6	54	-11.4	-	-	88	134	H

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81887 ACF (dB)	Amp/C bl/Filtr/ Pad (dB)	Corrected Reading (dBuV/m)	Average Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarization
1	* 2.4835	58.64	Pk	32.3	-39.1	51.84	-	-	74	-22.16	106	374	V
2	2.501129	61.96	Pk	32.3	-39.1	55.16	-	-	74	-18.84	106	374	V
3	* 2.4835	48.42	RMS	32.3	-39.1	41.62	54	-12.38	-	-	106	374	V
4	2.519569	49.13	RMS	32.4	-39	42.53	54	-11.47	-	-	106	374	V

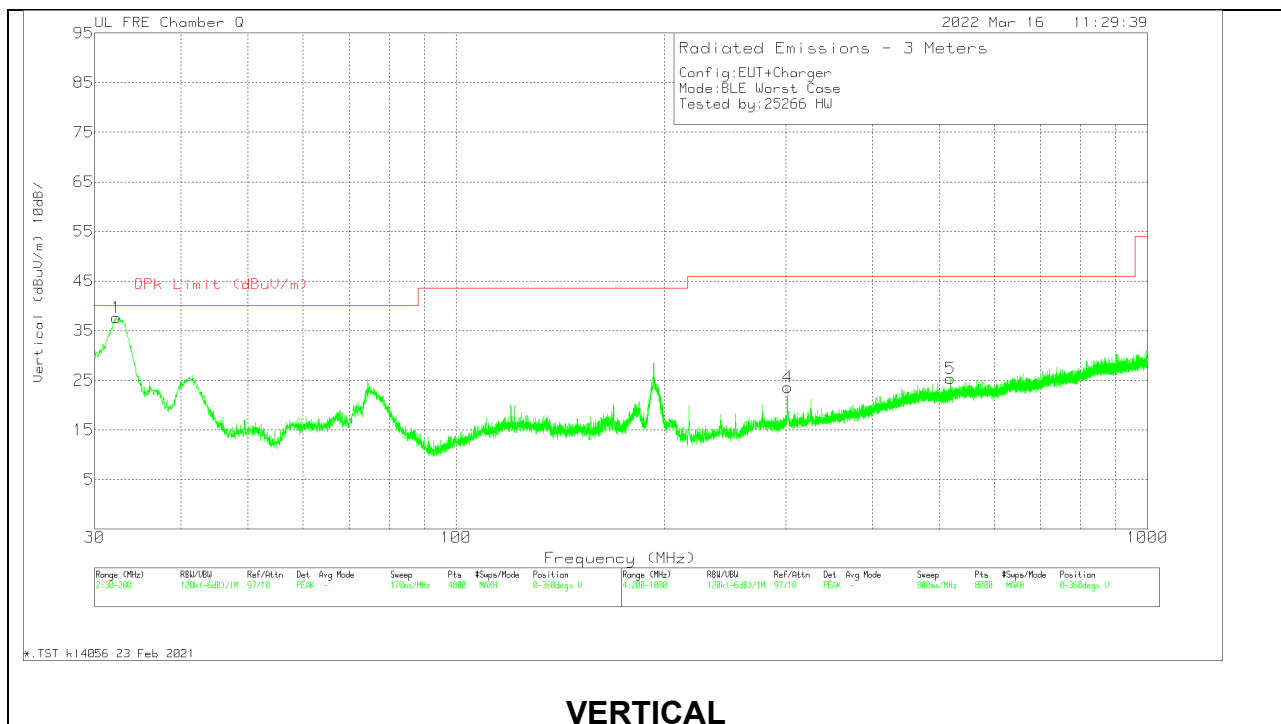
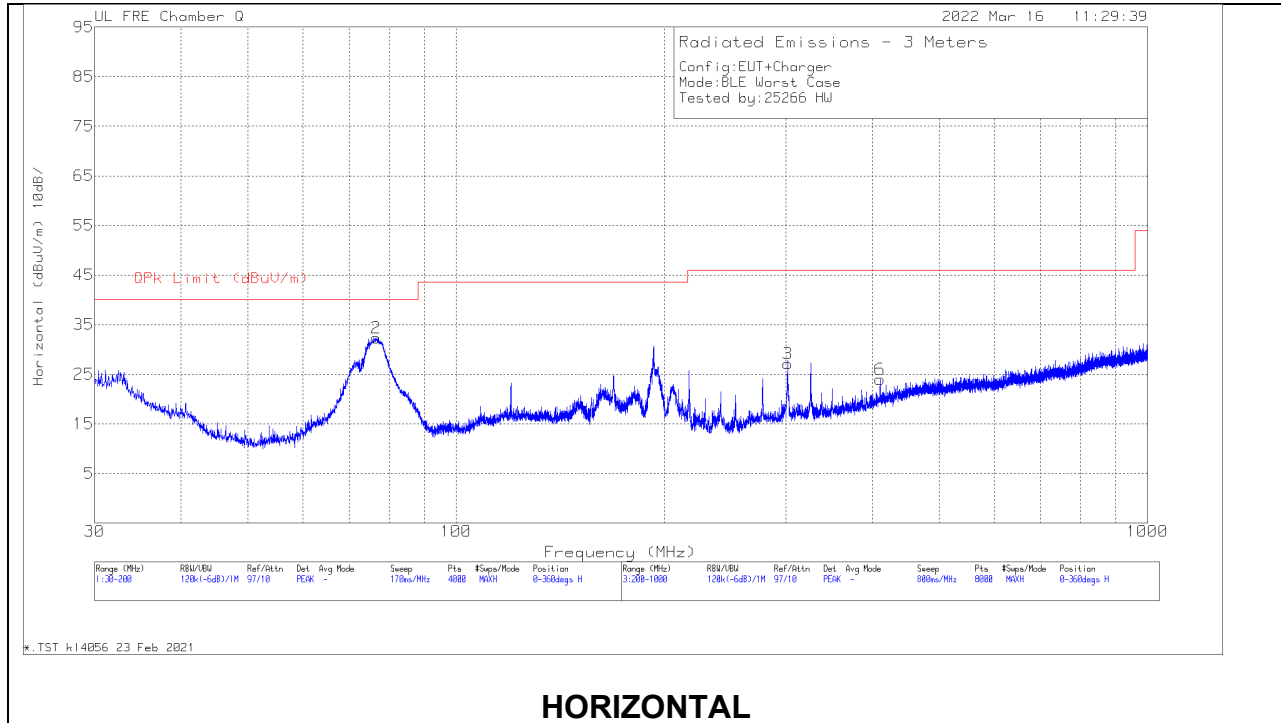
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

10.3. WORST CASE BELOW 1 GHZ

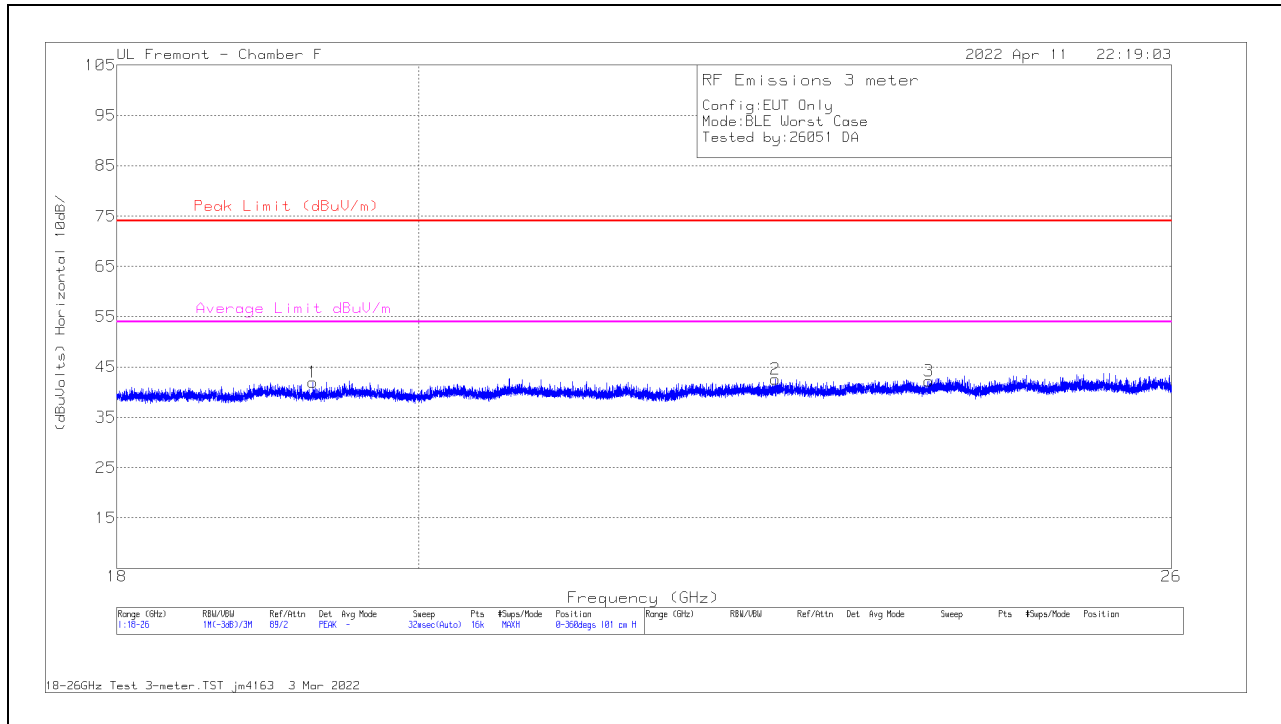
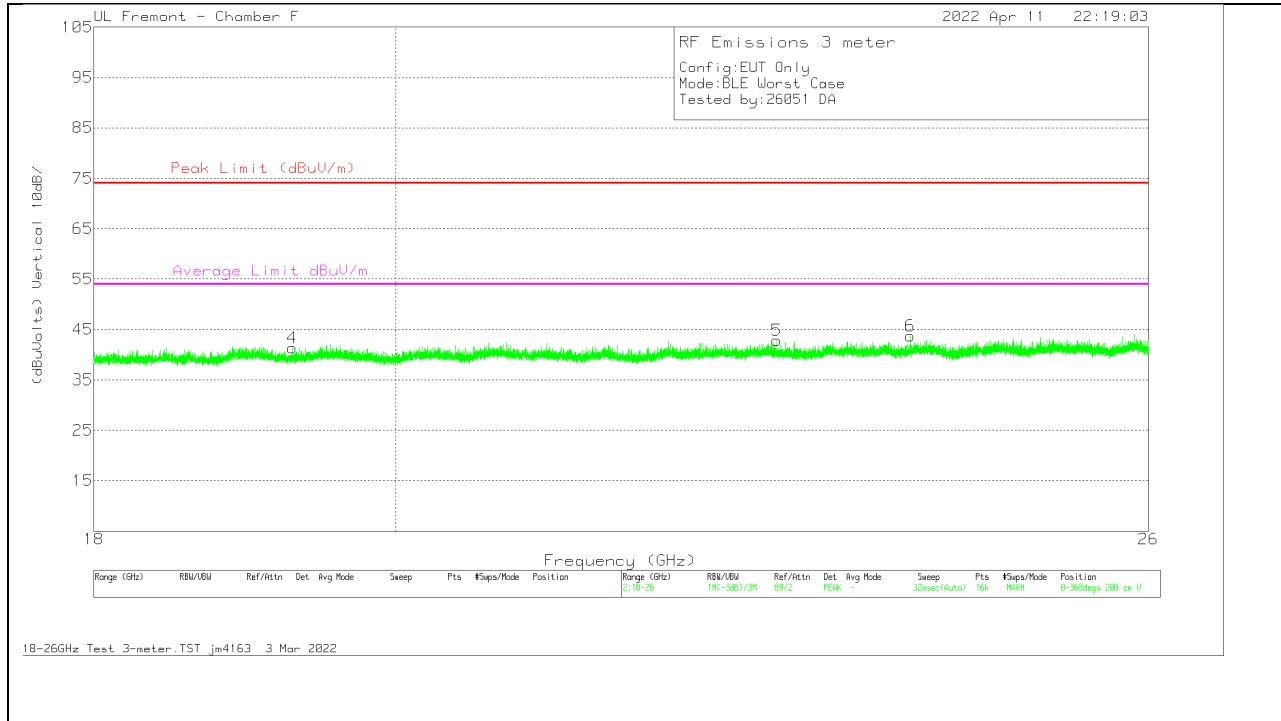
SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION)



DATA

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	174373 AF (dB/m)	Amp Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	32.2531	41.08	Qp	25.3	-32.3	34.08	40	-5.92	336	109	V
2	76.5921	48.88	Qp	13.8	-32	30.68	40	-9.32	317	278	H
3	301.613	38.28	Qp	19	-30.9	26.38	46.02	-19.64	44	106	H
4	301.813	32.63	Qp	19	-30.9	20.73	46.02	-25.29	68	118	V
6	410.327	24.56	Qp	21.6	-30.6	15.56	46.02	-30.46	124	134	H
5	518.241	22.08	Qp	23.3	-30.3	15.08	46.02	-30.94	281	209	V

Qp - Quasi-Peak detector

10.4. WORST CASE 18-26 GHz**SPURIOUS EMISSIONS 18-26 GHz (WORST-CASE CONFIGURATION)****HORIZONTAL****VERTICAL**

DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	81140 AF (dB/m)	Cables (dB)	215705 Amp Kit (dB)	Corrected Reading (dBuV/m)	Peak Limit (dBuV/m)	PK Margin (dB)	Average Limit dBuV/m	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarit y
1	* 19.2755	52.38	Pk	32.7	17.9	-61	41.98	74	-32.02	54	-12.02	0-360	200	H
2	* 22.6455	50.64	Pk	33.4	19.5	-61	42.54	74	-31.46	54	-11.46	0-360	101	H
3	* 23.8905	49.52	Pk	33.8	20	-61.1	42.22	74	-31.78	54	-11.78	0-360	200	H
4	* 19.2915	51.76	Pk	32.7	17.9	-61	41.36	74	-32.64	54	-12.64	0-360	200	V
5	* 22.8385	50.8	Pk	33.4	19.6	-61	42.8	74	-31.2	54	-11.2	0-360	200	V
6	* 23.9285	51.17	Pk	33.8	20	-61.2	43.77	74	-30.23	54	-10.23	0-360	200	V

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56 *	56 to 46 *
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

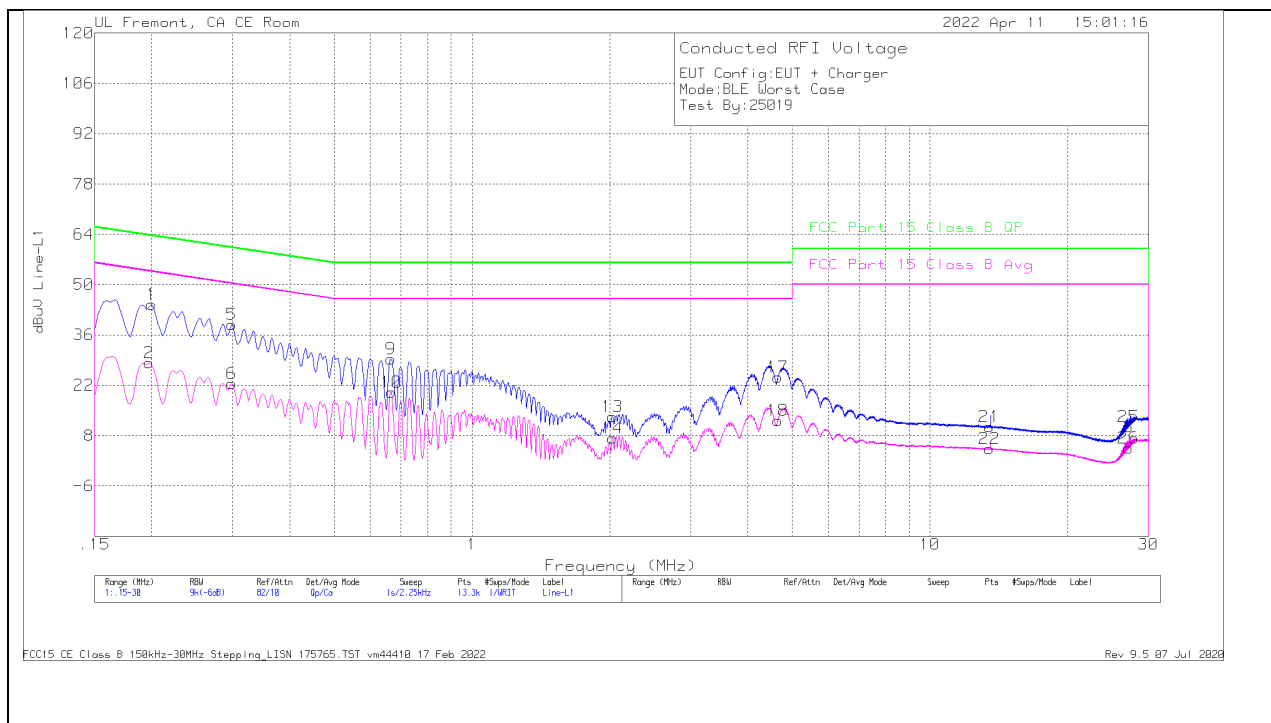
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

11.1. AC Power Line WITH AC/DC ADAPTER

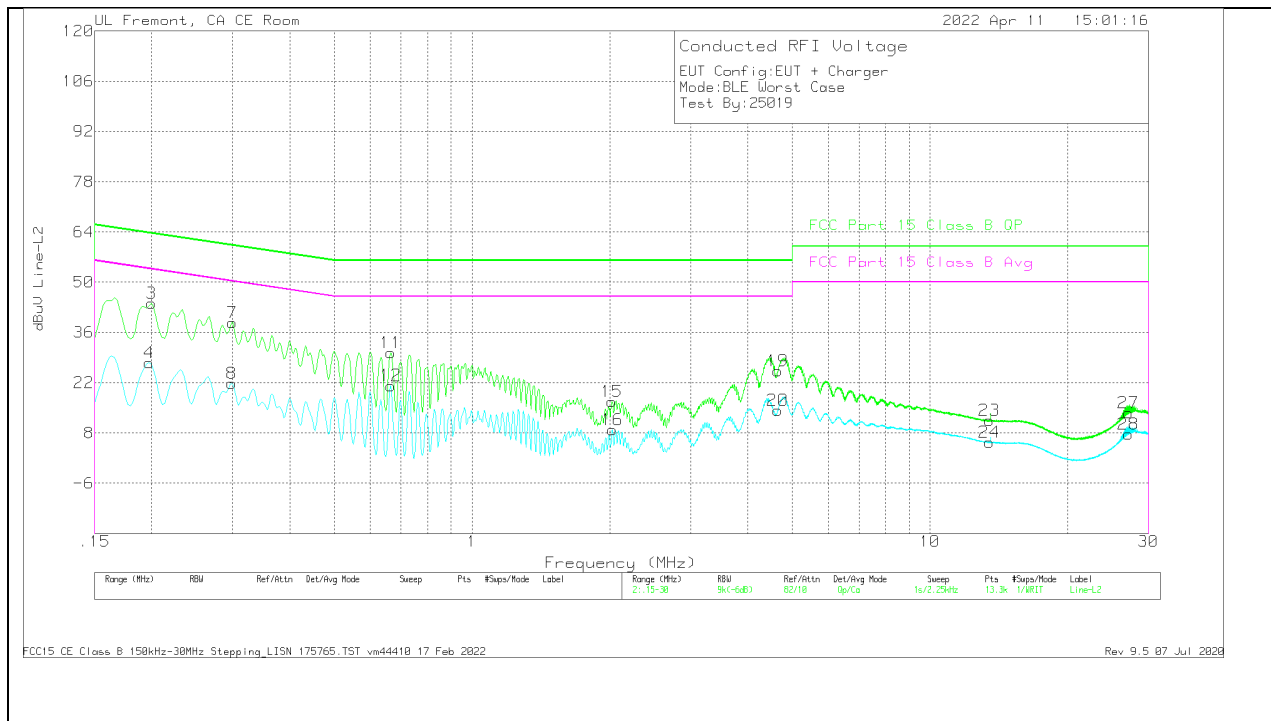
LINE 1 RESULTS



Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

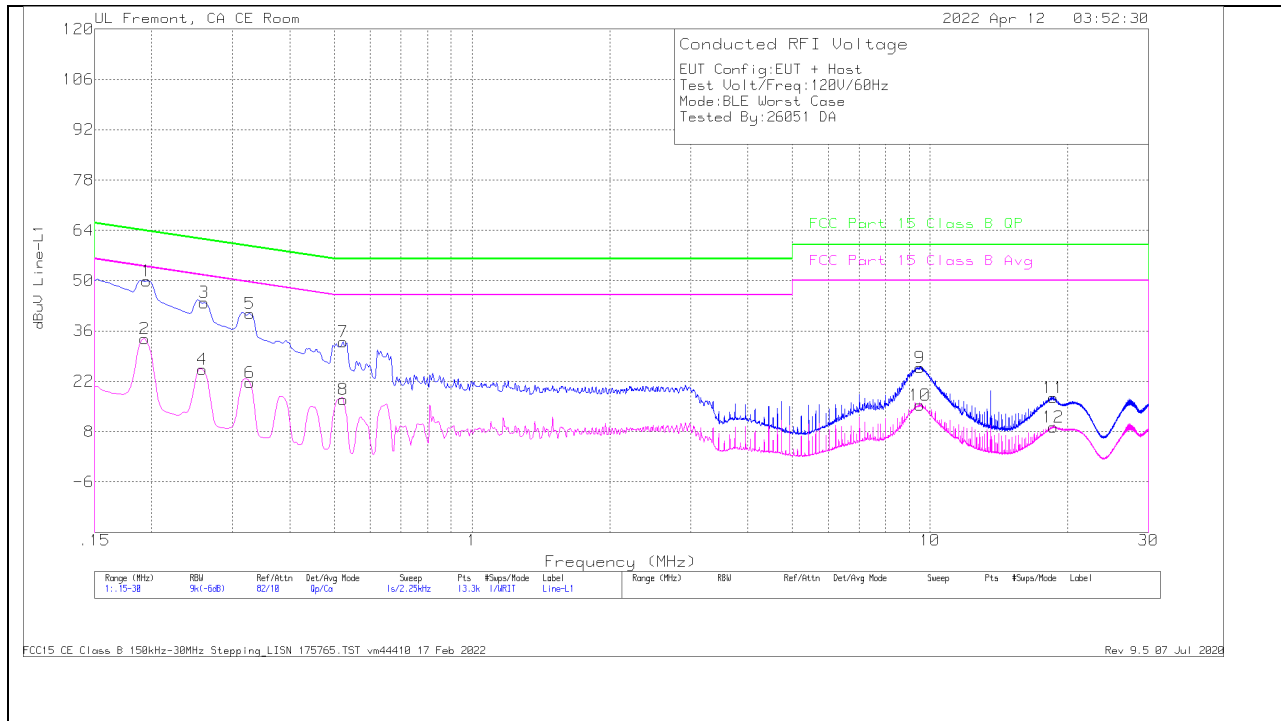
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L2 (dB)	C2&C3 cable (dB)	TekBox Limiter TBFL1 Model 207(dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
4	.19725	18.33	Ca	0	0	9.3	27.63	-	-	53.73	-26.1
8	.2985	12.59	Ca	0	0	9.3	21.89	-	-	50.28	-28.39
12	.66525	11.8	Ca	0	.1	9.3	21.2	-	-	46	-24.8
16	2.02425	-5.7	Ca	0	.1	9.3	8.83	-	-	46	-37.17
20	4.65	4.84	Ca	0	.1	9.3	14.24	-	-	46	-31.76
24	13.488	-4.18	Ca	.1	.2	9.3	5.42	-	-	50	-44.58
28	27.11625	-2.18	Ca	.2	.3	9.4	7.72	-	-	50	-42.28
3	.1995	34.88	Qp	0	0	9.3	44.18	63.63	-19.45	-	-
7	.29963	29.42	Qp	0	0	9.3	38.72	60.25	-21.53	-	-
11	.66525	20.99	Qp	0	.1	9.3	30.39	56	-25.61	-	-
15	2.01975	7.28	Qp	0	.1	9.3	16.68	56	-39.32	-	-
19	4.6545	15.84	Qp	0	.1	9.3	25.24	56	-30.76	-	-
23	13.488	1.93	Qp	.1	.2	9.3	11.53	60	-48.47	-	-
27	27.11625	3.66	Qp	.2	.3	9.4	13.56	60	-46.44	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

11.2. AC Power Line With Laptop

LINE 1 RESULTS

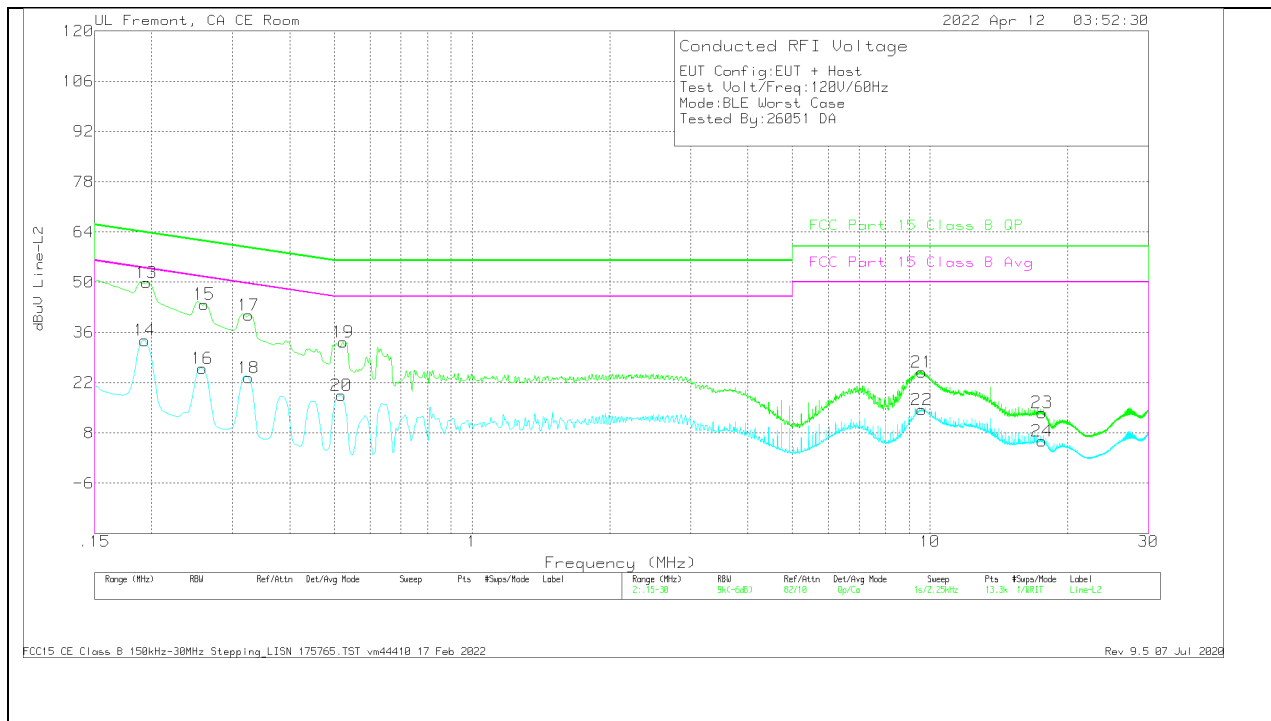


Range 1: Line-L1 .15 - 30MHz											
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L1 (dB)	C1&C3 cable (dB)	TekBox Limiter TBFL1 Model 207(dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
2	.19275	24.43	Ca	.1	0	9.3	33.83	-	-	53.92	-20.09
4	.258	15.98	Ca	0	0	9.3	25.28	-	-	51.5	-26.22
6	.32775	12.36	Ca	0	0	9.3	21.66	-	-	49.51	-27.85
8	.5235	7.6	Ca	0	0	9.3	16.9	-	-	46	-29.1
10	9.5145	5.72	Ca	.1	.2	9.3	15.32	-	-	50	-34.68
12	18.57975	-3.37	Ca	.1	.2	9.3	9.23	-	-	50	-40.77
1	.195	40.54	Qp	.1	0	9.3	49.94	63.82	-13.88	-	-
3	.26025	34.59	Qp	0	0	9.3	43.89	61.42	-17.53	-	-
5	.32775	31.54	Qp	0	0	9.3	40.84	59.51	-18.67	-	-
7	.5235	23.62	Qp	0	0	9.3	32.92	56	-23.08	-	-
9	9.4965	16.22	Qp	.1	.2	9.3	25.82	60	-34.18	-	-
11	18.57975	7.9	Qp	.1	.2	9.3	17.5	60	-42.5	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

LINE 2 RESULTS



Range 2: Line-L2 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	175765 LISN L2 (dB)	C2&C3 cable (dB)	TekBox Limiter TBFL1 Model 207(dB)	Corrected Reading dBuV	FCC Part 15 Class B QP dBuV	QP Margin (dB)	FCC Part 15 Class B Avg dBuV	Av(CISPR)M argin (dB)
14	.19275	24.47	Ca	0	0	9.3	33.77	-	-	53.92	-20.15
16	.258	16.67	Ca	0	0	9.3	25.97	-	-	51.5	-25.53
18	.3255	14.11	Ca	0	0	9.3	23.41	-	-	49.57	-26.16
20	.519	9.17	Ca	0	0	9.3	18.47	-	-	46	-27.53
22	9.59213	4.96	Ca	0	.2	9.3	14.46	-	-	50	-35.54
24	17.55825	-3.83	Ca	.1	.2	9.3	5.77	-	-	50	-44.23
13	.195	40.58	Qp	0	0	9.3	49.88	63.82	-13.94	-	-
15	.26025	34.58	Qp	0	0	9.3	43.88	61.42	-17.54	-	-
17	.3255	31.57	Qp	0	0	9.3	40.87	59.57	-18.7	-	-
19	.5235	24.04	Qp	0	0	9.3	33.34	56	-22.66	-	-
21	9.58875	15.52	Qp	0	.2	9.3	25.02	60	-34.98	-	-
23	17.5605	4.1	Qp	.1	.2	9.3	13.7	60	-46.3	-	-

Qp - Quasi-Peak detector

Ca - CISPR average detection

12. SETUP PHOTOS

Please refer to 14040863-EP1V1 for setup photos

END OF TEST REPORT